Report of the Forest Administration in the Bombay Presidency including Sind

133210
For the year 1923-24 1927-28

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List of trees and shrubs mentioned in the Report and their Latin Names

Vernacular Name.	*Scientific Name.*
Ain, Matti	*Terminalia tomentosa.*
Anjan	*Hardwickia binata.*
Babul	*Acacia arabica.*
Bahan	*Populus euphratica.*
Ber, Bor	*Zizyphus Jujuba.*
Blackwood	*Dalbergia latifolia.*
Gurjan	*Dipterocarpus turbinatus.*
Hirda	*Terminalia Chebula.*
Honne	*Pterocarpus Marsupium.*
Kandi	*Prosopis spicigera.*
Kindal	*Terminalia paniculata.*
Lai	*Tamarix gallica.*
Lantana	*Lantana Camara.*
Mhowra	*Bassia latifolia.*
Nim	*Melia Azadirachta.*
Poon Spar	*Calophyllum tomentosum.*
Prickly-pear	*Opuntia dillenii.*
Sandal	*Santalum album.*
Sissoo, Tali	*Dalbergia Sissoo.*
Tarwad	*Cassia auriculata.*
Teak	*Tectona grandis.*
Tiwas	*Ougeinia dalbergioides.*

FOREST ADMINISTRATION REPORT OF THE BOMBAY PRESIDENCY INCLUDING SIND FOR THE YEAR 1923-24.

CHAPTER I.

CONSTITUTION OF STATE FORESTS.

1. ALTERATION IN AREA. (Forms 51 to 51-D.)

The changes in forest area were as follows :—

Class of Forest.	Area on 1st April 1923.	Added during the year.	Excluded during the year.	Area on 31st March 1924.
	Sq. miles.	Sq. miles.	Sq. miles.	Sq. miles.
Reserved	13,873·82	64·33	140·08	13,798·07
Protected	1,122·46	60·68	11·33	1,171·81
Total ..	14,996·28	125·01	151·41	14,969·88

The areas added and excluded comprise :—

	Gain. (Sq. miles.)	Loss. (Sq. miles.)
Afforestments and disforestments in favour of cultivation, etc.	33·85	40·40
Alluvial accretions and erosions in Sind ..	27·75	25·44
New *kachas* in Sind first included in Reserved Forest and subsequently declared Protected Forest	28·56	28·56
Due to correction as per new Forest Register supplied by the Forest Settlement Officer in Kanara	34·85	57·01
Total ..	125·01	151·41
Net loss ..	26·40	Sq. miles.

The Forest area in charge of the Revenue and Forest Departments stood as follows :—

	On 1st April 1923. (Sq. miles.)	On 31st Mar. 1924. (Sq. miles.)
In charge of the Forest Department—		
Reserved	12,040	11,969
Protected	464	516
In charge of the Revenue Department—		
Reserved	1,833	1,829
Protected	659	656
	14,996	14,970

The classification for review of financial results and comparison with other provinces and countries is given below :—

—	Commercial. (Sq. miles.)	Local supply. (Sq. miles.)	Climatic. (Sq. miles.)	Total. (Sq. miles.)
Northern Circle ..	2,769	924	141	3,834
Central Circle ..	599	4,092	690	5,381
Southern Circle ..	1,976	1,800	815	4,591
Sind ..	1,095	69	..	1,164
Total ..	6,439	6,885	1,646	14,970

2. Forest Settlements. (Form 52.)

Forest settlements are on the whole complete. The operations of the year are shown in Form 52 for each Circle. The areas involved are as follows :—

	Sq. miles.
In hand on 1st April 1923	27·35
Add area wrongly omitted from last year's report ..	1·00
	28·35
Deduct areas for which settlement was abandoned and which have been omitted due to subsequent corrections	—0·49
	27·86
Taken in hand during the year	148·57
	176·43
Finally settled during the year	—67·25
In hand on 31st March 1924	109·18

The cost of settlement was Rs. 3,277.

In Panch Mahals and East Nasik the demand for land is keen. About 7,200 acres in the former Division were given out for cultivation fetching Rs. 21,904 assessment. It is necessary to keep some of these areas as inforest settlements for protection purposes, especially on the frontiers of adjoining States. The question of reserving some areas as kurans in charge of the Revenue Department is also being considered. In the latter Division the area given out is 11,090 acres with an assessment of Rs. 5,905. In both Divisions steps are being taken to disforest lands not required by the Forest Department.

In Mandvi the long deferred afforestment of certain numbers is expected to be completed shortly.

In Thana the field work for the settlement of Gurcharan areas was completed by Mr. E. W. Perry, I.C.S., whose report is before Government.

In West Nasik, revision of settlement in Peint was continued by Mr. W. C. De C. Walsh, Divisional Forest Officer.

The report on the re-settlement of Haliyal and Sambrani Ranges of Kanara, Northern Division, drawn up by Mr. G. F. S. Collins, I.C.S., was finally sanctioned by Government in their Resolution No. 6819, dated 29th August 1923, Revenue Department.

3. Demarcation. (Form No. 53.)

43 miles of boundary were artificially demarcated and 25,195 miles repaired at a cost of Rs. 3,256. The length of boundaries still to be demarcated is 93 miles.

The new work carried out was in Kolaba and in all Divisions in the Sind Circle.

The work to be done lies in Poona, Kanara, W. D. Belgaum and Dharwar-Bijapur Divisions.

4. Forest Surveys. (Form No. 54.)

No surveys were carried out during the year. The area remaining to be surveyed is 276 square miles in Dharwar-Bijapur Division and 1,164 square miles forming the whole of the forest area of the Circle in Sind.

The expenditure on constitution of state forests was as follows :—

Circle.	1922-23.	1923-24.
	Rs.	Rs.
Northern Circle	6,979	4,134
Central ,, ...	707	2,369
Southern ,, ...	3,639	1,234
Sind ,, ...	..	349
Total ..	11,325	8,086

CHAPTER II.

MANAGEMENT OF STATE FORESTS.

1. REGULATION OF MANAGEMENT.

(a) *Preparation and Control of Regular Working Plans.*

Preparation (*Form No. 55*).—A Working Plan Officer in each of the Northern and Central Circles was in office throughout the year and from 16th July 1923 in the Southern Circle. There was no Working Plan Officer in Sind. Steady if rather slow, considering the amount of work to be done, progress is now being made in the preparation and revision of working plans.

In the Panch Mahals the forests are being worked under a provisionally revised working plan approved by the Chief Conservator. In Mandvi, Surat Division, the working plan of 1904 being out of date, the prescriptions are still being applied in a modified form. The report for a combined plan of the three original Dang Ranges is expected soon. In North Thana the outlying blocks of Akra and Ayra were divided into 3 and the rotation reduced from 80 to 60 years as it was found impossible to execute the prescribed advance thinnings and the forests are overmature.

The Working Plan Officer continued field work for preparation of a plan for the high forests of Peint and parts of Dindori and Mokhada, enumeration of growing stock being done in 3,398 acres in addition to the previous work in 4,953 acres. The backward state of road communication makes the selection of the periodic blocks a difficult matter. The Divisional Forest Officer, West Nasik, selected further Rabi lands for inclusion in Reserved Forest and his report is awaited. The revised Working Plans for the forests of Mahableshwar, Satara Division, and of Matheran, Kolaba Division, by Mr. E. M. Hodgson, were sanctioned by Government during the year. The revised working plan for the Kolaba forests was completed by Mr. H. W. Starte, Divisional Forest Officer, Working Plans, and has been sent for approval to the various officers concerned before submission to Government for their sanction. The work of framing a regular working plan for the unorganised forests of Navapur and Nandurbar Ranges with parts of Pimpalner and Sakri Ranges was taken in hand by Mr. W. E. Pereira, who succeeded Mr. Starte as Working Plan Officer. Mr. H. P. W. Davis, Working Plan Officer, Southern Circle, carried out field work in series I to IV of the Supa High Forest Working Circle in Kanara N. D., in connection with the selection of areas for clear cutting for teak regeneration and for the enumeration and volume estimations of material on the selected areas. He has also under preparation a statistical report on the teak plantations of the Southern Circle. The revision by Mr. H. C. Millett of the Sirsi Town Plan which was taken up for regulating the fuel supply of that town without taxing the minor Forests, now intended to be reserved purely for the exercise of privileges, has been completed. The five working plans referred to in the 1921-22 Report are not yet complete. The working plan for the unorganised forests of Dharwar and Kod Ranges is being

completed. A supplement to the Haugal-Bankapur Plan was sanctioned by the Chief Conservator of Forests, extending the prescriptions of that plan to the pasture lands recently transferred to the Forest Department. The Revised Working Plan for the Upper Sind forests was sanctioned by Government during the year.

Control (*Form No. 55-A*).—The prescriptions of sanctioned working plans were carried out as far as possible in all the Circles. In the Northern Circle except in Thana, most of the organized areas are being worked under provisional working plans deviating considerably from the old sanctioned plans the revision of which is behind-hand. In East Nasik the areas of Malegaon and Nandgaon which were cut out from organised working by Government order owing to the difficulty of closure are being worked on a simple rotation by coupes without closure. In the other Circles minor deviations due to difficulties of labour and extraction, depression in the timber trade, poorness of growth and scarcity of good contractors as in the Southern Circle, were inevitable, as a result of which the working of the forests has fallen in arrears.

(*b*) *Preliminary Working Plan Reports.*

Preliminary reports for the Peint and adjoining forests and the Navapur-Nandurbar forests were submitted and the latter has already been approved by the Chief Conservator.

2. COMMUNICATIONS AND BUILDINGS (Form No. 56).

(*a*) *Roads and Bridges.*

The total expenditure under this head was Rs. 2,37,458 including Rs. 1,48,892 out of Loan as against Rs. 3,12,883 in the last year, most of the expenditure being in the Northern and Southern Circles where the need for better communications is most felt. In the former Rs. 35,068 were spent on new works and repairs, the last year's expenditure being Rs. 57,825. The corresponding expenditure in the Southern Circle was Rs. 1,34,058 and Rs. 98,608 respectively. The amounts paid during the year to District Local Boards by the Forest Department for the upkeep of roads and included in the total expenditure are Rs. 1,100 in the Northern Circle paid to the Nasik Local Board on account of the Harsul-Goldari Road, Rs. 2,000 in the Central Circle as the second and last instalment for the construction of the Pali-Nagothna Road (Kolaba), and Rs. 25,000 in Kanara as a contribution to the District Local Board funds. Rs. 500 were also paid to the Forest Department by the Kanara Local Board for the maintenance of the Haliyal-Kawalwad Road.

The whole length of the Chikhli-Malegaon and Subir-Navapur Roads was opened to traffic during the year and on the completion of the road through South Dangs from Waghai to the Nasik frontier connecting with the above-ghat road system at Vani the Dangs will be on the way towards having a fairly complete road system. Development of timber extraction has already proceeded so far that the old unmetalled road can no longer stand up to the increased traffic. A programme of metalling has therefore been drawn up which will no doubt be justified by the

enormous saving in labour and time that are now being wasted due to bad roads.

There were 8 miles of new road construction undertaken during the year in the Northern Circle and in the Central Circle no work on the Dara-Mandvi Road could be done as funds were not allotted in time. In the Southern Circle further progress was made on the following roads :— Aurlipar, Bhagwati-Bomanhalli, Kirwatti-Sidalgundi, Wantmane-Dowginalla, Lalguli-Dowginalla, Kanadgal-Wadehukli, Bilki-Sidalgundi, Bilki-Chipgeri, Dhundsi-Mundgod, Hosakambi-Dongri, Taltot-Gersi, Santgal-Marakal, Tamangeghat, Devikop-Tambur, and Kalghatgi-Kawalwad.

The following surveys were made by the Superintending Engineer, Forest Department, representing over 37 miles of road and 19½ miles of Railway survey :—Washala-Dolkhamb, Goldari-Ojhar-Malungi, Hatgad-Vani, Kasa-Udva, Ahwa-Bhavandgad roads and Jharya-Pimpri-Bhavandgad light railway in the Northern Circle, and miscellaneous surveys including Kirwatti depot in the Southern Circle.

The scheme for constructing the Dandeli-Potoli line was abandoned further work stopped as the M. & S. M. Railway suddenly discontinued taking wood fuel for the supply of which the railway was mainly intended.

The Forest Engineers, Northern and Southern Divisions, carried out the following works :—

Northern Division.—Survey and estimating for 8 miles of the Goldari-Ojhar-Malungi Road and construction of a section of the Nanashi-Golshi Road.

Southern Division.—Sundry local surveys for improvements to Bomanhalli-Kulgi and Kulgi-Dandeli roads and construction of the Bomanhalli Causeway which was opened to traffic during the year under report and will be completed in the current year ; besides this much work on buildings was carried out by this Division in the Southern Circle.

(*b*) *Buildings.*

The total expenditure on new works was Rs. 98,454, out of which Rs. 39,803 was charged to Loan and the expenditure on repairs was Rs. 30,239, the corresponding expenditure last year being Rs. 38,435, Rs. 13,190 and Rs. 30,747, respectively.

The following work was carried out by the Engineering branch under the supervision of Mr. Pipe, Superintending Engineer, Forest Department :—Completion of standard type plans and estimates for departmental buildings, supplying plans and estimates for all building work projected or sanctioned including works of special nature, *e.g.*, two types of timber seasoning sheds, Harsul Dispensary project, Famine grass shed at Palghar, standard earthwork tables, etc.

(*c*) *Miscellaneous.*

Rs. 16,451 were spent under this head as against Rs. 19,305 spent last year. The expenditure is mainly on construction of, trial borings for or repairs to wells and for the supply of canal water in Sind and includes the rent paid to the Telegraph Department for the telephone lines in Kanara.

3. Protection of Forests. (Form No. 57.)

(a) *General Protection.*

The number of offences during the year compares with that in the previous year as follows :—

	1923-24.					1922-23.	Average of 1920-21 to 1922-23.
	N. C.	C. C.	S. C.	Sind.	Total.		
I.—Injury to forest by fire.	556	427	587	153	1,723	1,599	2,170
II.—Unauthorised felling or removal of produce..	2,317	2,755	1,208	1,261	7,541	7,123	7,703
III.—Unauthorised grazing	1,807	2,196	957	1,304	6,264	6,353	6,662
IV.—Other offences ..	297	894	122	71	1,384	1,211	1,402
Total ..	4,977	6,272	2,874	2,789	16,912	..	..
1922-23 ..	4,991	5,605	2,695	2,995	..	16,286	..
Average of 1920-21 to 1922-23	5,209	6,517	3,358	2,853	..	..	17,937

The increase in the total number of offences amounting to 4 per cent. is due to the increase under all the heads in the Central Circle and under the first three heads in the Southern Circle. The Conservator, Northern Circle, remarks that the appointment of extra Foresters prescribed by the Thana Working Plan following on the retrenchment of unnecessary guards is responsible for better protection and detection of crime in Thana.

There were two important offences of illicit fellings in Haliyal Range of Kanara, N. D., in which 110 persons of Havgi and Kerwad villages cut from the adjoining forests 183 teak, 98 blackwood and 2,878 junglewood trees for plague huts without obtaining permission and did serious damage to the promising growth. The cases remained pending during the year.

Two hundred and eighty-eight new cases were taken into court during the year of which one was compounded, one was written off and eleven were withdrawn subsequently. 354 including 174 pending from the previous year were decided during the year, and of these 317 or 89·5 per cent. resulted in convictions. 13,756 cases were compounded and compensation amounting to Rs. 1,20,955 was recovered in 13,418 cases, the average per case being Rs. 9·01 as against Rs. 8·6 in the previous year. Heavier compensation for the increasing number of offences of unauthorized grazing and illicit felling in the Central Circle accounts for the slight increase in the average this year. 2,883 or 15·5 per cent. of the total number of 18,612 cases remained undetected as against 2,665 in the previous year. The percentage of convictions secured is on the whole satisfactory.

In Sind one case, pending from last year, of assault on a forest guard resulted in conviction of 5 accused. Another case of 1921-22 is still pending as the offenders have not yet been traced. A fresh case was sent up for trial this year in which a Ranger was assaulted while in the execution of his duty. In the Northern Circle one guard was murdered in West Thana by some Thakurs and 4 accused placed on trial were acquitted. Another guard was assaulted in East Nasik, his assailants being convicted later on and fined Rs. 100 each.

(*b*) *Protection from Fire.*

Protection from fire was on the whole satisfactory. The following table compares the results of the two years 1922-23 and 1923-24 :—

Circle.	Year.	Area attempted to be protected.	Failures.	Area actually protected.	Percentage of area actually protected.	Cost.	Cost per square mile protected.
		Square miles.	Square miles.	Square miles.	Square miles.	Rs.	Rs.
Northern ..	1923-24	3,347	82	3,265	97·5	14,636	4·5
	1922-23	3,255	104	3,151	96·8	17,601	5·5
Central ..	1923-24	2,681	134	2,547	94·9	10,355	3·9
	1922-23	2,681	149	2,532	94·5	9,984	3·9
Southern ..	1923-24	4,214	206	4,008	95·1	8,939	2·2
	1922-23	4,273	127	4,146	97·0	8,679	2·1
Sind .	1923-24	474	4	470	99·2	1,155	2·5
	1922-23	470	7	463	98·5	1,434	3·1
Total ..	1923-24	10,716	426	10,290	96·0	35,085	3·4
	1922-23	10,679	387	10,292	96·4	37,698	3·7

In the Northern Circle the area under fire protection increased by 92 square miles by the inclusion of the Rabi Protected Forests in Peint, now taken over by the Forest Department for management. Early burning still in the experimental stage in the Northern Circle was restricted to definite areas, the closed coupes of about 2 felling series of each Range in Thana being burnt over under control in November and December. The results are encouraging. In the North Khandesh Division of the Central Circle burning could not be carried out earlier than 1st February owing to the Rosha contract and hence the results though not so good as anticipated were not unsatisfactory. In the Southern Circle the decrease in the area attempted to be protected is due to the transfer of 59 square miles to the Revenue Department for management. The favourable condition of last year, viz., late rains and spring showers

did not recur with the result that the forests were unusually dry which accounts for the increase of the area burnt. Early burning under control helped considerably in reducing the damage from subsequent fires.

The attitude of the people towards the Forest Department was in general favourable. The policy of rewarding good fire-protection and enforcing communal punishment for bad protection was continued with good effect. Thus in the Central Circle rewards in some cases were given in the shape of remission of grazing fees, in others by making small free grants and in one case a silver 'Kada' (bangle) was presented. In the Southern Circle 225 villages were rewarded with free or concession grazing, similar concessions being given to individuals also who had given assistance in protection. Punitive measures were enforced in 21 villages of the Northern Circle, 22 of the Central Circle and 148 in the Southern Circle.

The following table compares the number and origin of fires for the two years 1922-23 and 1923-24 :—

Origin of fires.	Number of fires.		Area burnt.	
	1923-24.	1922-23.	1923-24.	1922-23.
	Number.	Number.	Acres.	Acres.
A. Burning of fire lines	48	39	6,233	1,873
B. Crossing exterior lines	119	117	16,169	5,823
C. Accidents (persons in forest) ..	420	317	62,375	54,932
D. Intentional (persons in forest) ..	206	175	22,465	24,565
E. Railway Engines	13	19	967	759
F. Lightning	..	..	..	..
G. Causes unknown	925	948	175,108	182,118
Total ..	1,731	1,615	283,317	270,070

The statement of areas continually immune from fire for a period of 7 years was discontinued from this year.

(*c*) *Protection from cattle.* (Forms Nos. 60 and 61.)

The forest areas open and closed to grazing were as follows :—

	Sq. miles.	Per cent.
Closed to all animals for the whole year ..	2,316	15·47
Closed to all animals for part of the year ..	199	1·33
Open to all animals except browsers for the whole year	9,133	61·01
Open to all animals except browsers for part of the year	..	..
Open to all animals for the whole year ..	3,322	22·19
Open to all animals for part of the year ..	..	..
	14,970	

Additional areas were thrown open to grazing in parts of the West Khandesh and Satara Divisions in order to meet the fodder scarcity during the hot months.

The numbers of cattle admitted to grazing were as given below :—

Circle.	Horned cattle.		Sheep and goats.		Camels.
	1923-24.	1922-23.	1923-24.	1922-23.	1923-24.
Northern ..	617,114	655,833	156,012	123,715	....
Central ..	796,844	780,241	257,423	273,172	....
Southern ..	420,237	434,168	88,274	102,745	....
Sind ..	38,943	38,329	50,614	40,981	1,471
Total ..	1,873,138	1,908,571	552,323	540,613	1,471

Circle.	Camels—*contd.*	Other animals.		Total.	
	1922-23.	1923-24.	1922-23.	1923-24.	1922-23.
Northern ..	....	1,229	1,861	774,355	781,409
Central ..	....	8,052	10,160	1,062,319	1,063,573
Southern ..	....	1	531	508,512	537,444
Sind ..	1,340	2,675	3,435	93,703	84,085
Total ..	1,340	11,957	15,987	2,438,889	2,466,511

The decrease in the total number is chiefly due to the decreases in the Northern and Southern Circles, and is partly counterbalanced by the increase in Sind as a result of free grazing being allowed to the transport animals of coupe contractors and the opening of additional areas to browsers. The decrease in the Southern Circle is due partly to the transfer of forest areas to the charge of the Revenue Department.

Rs. 5,21,835 were collected as grazing fees, the value of the grazing at full rates being Rs. 20,62,132, the corresponding figures for 1922-23 being Rs. 4,85,804 and Rs. 21,02,017. The increase in the receipts is due to the enhancement of grazing fees in the Kolaba and Bijapur Districts under orders conveyed in G.R., R.D., No. 4217, dated 14th September 1922.

The question of revising the grazing rules and the rates is under consideration.

The details about cattle impoundings for unauthorised grazing in open and closed forests are given below:—

Circle.	Horned cattle.		Sheep and goats.		Other animals.
	Open.	Closed.	Open.	Closed.	Open.
Northern ..	1,829	21,699	7,682	4,205	35
Central ..	2,134	34,609	11,554	3,446	39
Southern ..	243	9,513	2,251	5,329	19
Sind ..	1,087	2,542	737	6,434	212
Total ..	5,293	68,363	22,224	19,414	305
Average of the 3 years 1920-21 to 1922-23.	7,049	69,209	23,018	19,830	616

Circle.	Other animals—*contd.*	Total.		Total of open and closed.	
	Closed.	Open.	Closed.	1923-24.	1922-23.
Northern ..	134	9,546	26,038	35,584	47,402
Central ..	270	13,727	38,325	52,052	43,014
Southern ..	....	2,513	14,842	17,355	14,799
Sind ..	1,106	2,036	10,082	12,118	16,543
Total ..	1,510	27,822	89,287	117,109	121,758
Average of the 3 years 1920-21 to 1922-23.	2,541	30,683	91,580	122,263	

The decrease in the number of cattle impounded in the Northern and Sind Circles is due to more careful collection of grazing fees and checking of permits and to recovery in Sind where possible of fees and fines for trespass instead of impounding cattle. In the Central Circle the increase is due to the closure of larger areas in East Khandesh and to the unwillingness of people in Kolaba and Poona to pay the enhanced fees.

(*d*) *Protection against injuries from natural causes.*

Climber cutting was carried out generally as in past years. The eradication of lantana was restricted to what could be done by guards, and coupe contractors. In Poona mahars removed 60 cartloads of lantana on being permitted to do so free of charge.

The Babul defoliator was not so destructive this year as during the last. The Teak stem borer, identified as "Phassus malabaricus" continued its attack on the 2 year old seedlings along the coastal tract in Kanara

south of Ankola. The Divisional Forest Officer, S. D., Kanara, is making observations on its habits with a view to discover a remedy.

Extensive damage to young teak seedlings by hares and rats is reported from most Divisions of the Northern Circle. Measures tried include the placing of stones of the size of cocoanuts round the seedlings and painting the stems with dilute phenyle. Rats did damage also to tali and babul seedlings in parts of Sind. Damage by bison, sambhar and porcupine continued as reported in last year's report.

In Sind the damage by frost was slight and the retention of a certain amount of young Lai on the ground is considered to be a possible preventive of damage by frost. Erosion took away 25·44 square miles in Sind, as against 21·89 square miles last year.

The value of material exploited from eroded areas is given below :—

1,118 acres which were eroded after exploitation brought in a revenue of Rs. 34,397 and 40 acres containing growth valued at Rs. 400 was eroded by floods before exploitation was possible.

2,896 acres were exploited, in anticipation of erosion, and the resulting material was sold for Rs. 50,010 or approximately Rs. 17·3 per acre as compared with 13·9 per acre last year.

In the early part of the rains very sudden heavy showers caused landslips in Thana and Kolaba washing away the seeds and seedlings.

Further erosion by the sea carried away 13 acres of the Casuarina plantation at Warsoli in Kolaba.

CHAPTER III.

SYLVICULTURE.

(*a*) Natural Reproduction.

(*i*) *State of existing reproduction.*

Sind.—The area flooded during the year was 449,990 acres compared with 382,645 acres last year and 526,410 of the year before. The pre-inundation sowings resulted in good germination but owing to the rapid rise of the river in the latter part of the season the plants were subsequently submerged. On the whole the sowings of babul broadcast and in patches, strips and lines, made before and after inundation, gave satisfactory results. In Hyderabad Division large areas have been raised by silt above normal inundation level. Coppice reproduction was in general satisfactory.

Northern Circle.—Rainfall was below normal almost throughout the Circle but was fortunately fairly well distributed in the matter of time. Reproduction by both seed and coppice is very satisfactory in Mandvi, Bulsar and the Baragaon Dangs (Surat Division). In the better class areas of Mandvi operations are now directed to maintaining for a final crop what is an exceptionally fine stand of natural teak seedlings and poles. In the Dangs there is no lack of seedling teak, sissu and tiwas, which have however to contend with *Garuga*, *Odina*, *Bombax*, *Sterculia* and the *Terminalias*. Most of the old extensive blanks and cultivations are filling in as a result of fire-protection, and will probably contain valuable natural crops in 50 years more. In Thana khair comes up profusely in some of the old coupes and is joined in places by tiwas.

Natural seedling growth of valuable species is however scarce in the Thana forests and in the heavy forests of Nasik, but is fairly plentiful in the more open parts of the latter. Coppice growth in Panch Mahals and Thana has been very satisfactory and promises to take the foremost place in the crops of the next rotation.

Central Circle.—This was again a bad year for seed ; coppice reproduction was generally satisfactory.

Southern Circle.—The majority of species seeded well during the year and new natural reproduction of teak, sandalwood, kindal and jamba was satisfactory, especially in Kanara. Fire was responsible for a good deal of damage in the existing reproduction. Coppice reproduction was good in all the Divisions.

(ii) Measures for inducing or aiding reproduction.

Sind.—The method of agri-cum-forestry, described in last year's report, was continued and 1,169 acres were so treated. Rs. 32,833 were recovered by assessment for the total acrea of 5,210 acres cultivated. The method continued to give good results. 22,649 acres of exploited coupes, Kachas and blanks were sown with 5,711 maunds of babul, kandi and bor seed. Considerable areas were given out for cultivation, as in addition to the advantages described in last year's report the method affords the best treatment for unstable kachas pending the time when their level will be raised so as to enable the establishment of a forest crop thereon.

Northern Circle.—In the Panch Mahals the results of countings among natural seedlings and teak and mhowra raised artificially in patches show encouraging results. Almost all of the 4,807 teak seedlings of 1920-21, and from the 62,178 of 1921-22 surviving to end of 1922-23, 53,918 are well established. Of the 151,706 teak and 85,007 mhowra, natural and raised seedlings of 1922-23, 105,633 (70 per cent.) teak and 73,544 (86 per cent.) mhowra survived the hot season, and the work of 1923-24 gave the following results, of 255,986 teak and 42,679 mhowra, 117,245 (46 per cent.) and 20,148 (47 per cent.) respectively survived the year. The Thana system of regeneration in patches in cut coupes was introduced in the Mandvi forests. Three concentrated regeneration fellings in the Dangs totalling 382 acres, in addition to last year's failed area of 112 acres were taken in hand. The results were poorest in the last, and though the results in the new areas could have been better with early sowing, a fairly good stocking is assured when coppice and natural seedlings are considered. The 1922-23 areas show fair results, plants being 5'—7' in height. In the three Thana Divisions 2,171,520 teak plants were raised from dibblings and plantings on prepared patches over 7,772 acres of cut coupes, survivals amounting to 732,709 (34 per cent.). The survivals give a higher percentage of failure than last year because in East Thana countings were made at the end of May instead of March. A lot of good work was spoiled by the sudden wash of the first rains ; this is being guarded against in future by light trenching work. A good deal of real interest in sylvicultural work and a certain amount of wholesome competition is discernible among the subordinates. In West Nasik

efforts were made to restock last year's failed area of about 100 acres with but indifferent success. In the new concentrated regeneration area of 324 acres 21 bags of prepared teak seed (soaked and dried for alternate fortnights three times over) were dibbled over 784 " rabbed " and burnt patches. Small trenches were dug on the higher side to lead off heavy rain wash. Germination was excellent, and casualties were replaced from nurseries. In November the survivals after weeding and mulching were 43,516 and the cost incurred was Rs. 1,458 for 324 acres. Attempts to grow teak along with Nagli crop have proved futile and have been given up.

Central Circle.—Measures for aiding survival of seedlings through the hot season form the chief problem in the Khandesh, Poona and Satara Divisions. In East Khandesh grass shades were tried and found difficult to keep intact owing to the tearing winds. An experiment is also being tried to see whether the placing of stones round transplants and natural seedlings will prove to be an inexpensive and certain way of providing the necessary protection from the heat as well as from other sources of damage. Rab-beds, mounds and dry-nurseries have been prepared in most of the teak coupes of the current season and the effects of early burning and dry season grazing are being studied. A beginning was made in North Khandesh with rab-patches, which resulted in failure due to bad seed and unsatisfactory burning of the patches. Two kumri plots were also tried but led to no results. So efforts were directed from August on to discovering, staking and tending natural teak seedlings. In West Khandesh Division the agri-cum-forestry method was tried over an area of 120 acres in the exploited Anjan coupes of Dhulia Range with 720 lbs. of Anjan Babul, Khair, Nimb, Dhawada and Sirus, with less than 25 per cent. survivals at the end of the hot season. Sowings and plantings in some cases by pruning the root and shoot, were made on rab-patches, mounds and ridges; of the 22,410 seedlings 15,165 (68 per cent.) survived. Besides this 5,700 natural seedlings were tended and 1,891 rab-patches and 9,400 mounds prepared for next year. In Poona Division, mixed sowings made on ploughed land in the Babul area gave poor results. Sowings made on charcoal kiln sites and transplants in ever-green forest devoid of natural regeneration, have proved satisfactory. In Kolaba in all 10,446 patches over 3,110 acres of coupe area comprising 59 coupes were burnt on which 433,127 teak were transplanted out of which 133,240 (31 per cent.) have survived. In places Ain seedlings were also raised and those surviving on the burnt patches have attained a height of 2′ to 3′. More than 50,000 seedlings of Manvel bamboo raised in nurseries, were put out in exploited coupes and elsewhere. Some of these have attained 3′ to 5′ height. An experiment in planting well grown bamboo culms with the rhizome ended in failure as the time was unsuitable, but a subsequent attempt has met with success. In Satara seed of mixed species was sown in burnt patches with about 30 per cent. survivals and on ridges and mounds with poor results. Tending of natural seedlings by soil mulching was carried out extensively in all the felled coupes but the hot season caused many casualties. The experimental teak plantings in the

evergreen forests started two years ago have produced about 500 healthy seedlings.

Southern Circle.—(*a*) The principal operation under this head is the introduction of more teak in the Pole areas by putting out transplants in burnt patches in exploited coupes. In N. D. Kanara 141,826 teak seedlings were put out with about 40 per cent. survivals. In E. D. Kanara 155,000 seedlings raised in dry nurseries were transplanted but owing to unsatisfactory rain-fall the results were poor. Dibblings made near Kirvatti gave excellent result. In C. D. Kanara considerable damage was done by porcupines and hares among the 6,000 plants put out. Seedlings from early nursery sowings were transplanted in 7 fuel coupes of the Ankola Coast Plan. The best plants were 3′ in height and survivals amounted to 75 to the acre. The lack of rain after the middle of August also accounts for the poor results, only 25 per cent. survivals out of the 51,000 plants put out, in coupes of Kadra and Gund Ranges of W. D. Kanara. Of 79,000 teak and junglewood seedlings put out in Khanapur and Nagargali Ranges of Belgaum Division about 40,450 survived. In Patne Range some more forest areas were given out for cultivation on condition of planting and tending forest seedlings along with the crops. In the Kalghatgi and Dharwar Ranges of Dharwar-Bijapur Division about 110,000 plants were put out with fair results. In the Sandal areas of Dhundsi Range (E. D. Kanara) and in the Dharwar and Belgaum forests sandal seed was dibbled in lantana thickets. Freeing and tending of natural sandal seedlings was carried out in several selected coupes of the Belgaum Division and thousands of seedlings were given a chance to come up through dense overhead cover.

(*b*) TENDING OPERATIONS IN NATURAL CROPS.

The usual operations were carried out in all Circles. Thinnings in Sind fetched a revenue of Rs. 57,736 at a cost of Rs. 23,390. In the three Thana Divisions an area involving 413 current and 185 arrear coupes was thinned at a cost of Rs. 23,190 realising a revenue of Rs. 81,402 and material in hand valued at Rs. 13,137. The material was cut and removed partly by Government agency and partly by purchasers. In Peint and parts of Nasik and Dindori junglewood species interfering with the growth of valuable trees were marked and cut out departmentally. A similar operation was carried out on a large scale during the marking of improvement fellings in the Dangs. A cleaning was carried out in coupe 8 of Bk. XVI of Godhra in Panch Mahals realising Rs. 455 revenue at a cost of Rs. 47-12-0. Cutting back operations in parts of the Central Circle were made departmentally. The present arrangements are that this operation must be done by the coupe contractor. Departmental thinnings were made in Poona and a sylvicultural party organized by the Divisional Forest Officer, Kolaba, marked thinnings in several coupes of that Division. In the Southern Circle material removed in thinnings in the Pole area of N. D. Kanara and Belgaum was disposed of by sale. Thinnings were also carried out in the 1916-17 plantation at Ramanguli and extensive girdling of overshadowing inferior species were made in E. D. Kanara.

(c) ARTIFICIAL REPRODUCTION. (Form No. 62.)

(i) *Regular plantations.*

These consist chiefly of the Sissoo plantations in Sind and the Casuarina plantations along the coast in Thana, Kolaba and Kanara. To the existing area of 488 acres of the former 29 acres were added, and thinnings made in 100 acres in Sukkur realised a net revenue of Rs. 1,930 at a cost of Rs. 140. The Casuarina plantations of North Thana, 139 acres, have cost from the start Rs. 28,079 for creation and Rs. 519 for upkeep (Rs. 225 during the year) and further thinnings were carried out realising Rs. 1,598 revenue. The plantations in West Thana, 76 acres, were given up and the stock sold for Rs. 3,735. This had cost Rs. 1,035 from the date of establishment and the total revenue has been only Rs. 4,167. Under the special working plan for the Dapoli (Kolaba Division) Casuarina plantation one coupe was worked and replanted with 500 seedlings of which only 300 survived. There was a new extension of 32 acres in W. D. Kanara and the 17 acres plantations at Gangavalli (C. D. Kanara) was cleared and abandoned in the interests of agriculture. The area of these plantations totalled 1,028 acres at the close of the year and a revenue of Rs. 15,528 was realised by sale of material out of them.

(ii) *Taungya plantations.*—Nil.

(iii) *Other forms of artificial reproduction.*

The principal operation under this head is the clear cutting of High forest areas followed by planting of teak in the Southern Circle, no work of importance being undertaken in other Circles. Nurseries were laid out during the year at important centres in all the Kanara Divisions and in all 891 acres were taken in hand for planting up. Damage by rats and porcupines in S. D. Kanara and unfavourable rain in other parts have materially reduced the percentage of success, and on the whole the results obtained hitherto leave a good deal to be desired, although in some places they are very good.

CHAPTER IV.

EXPLOITATION.

(a) SYSTEMS OF MANAGEMENT.

(i) *Major Forest Produce.* (Form No. 63.)

The systems in force are :—

Clear fellings.—In Babul forests generally, in the Teak pole areas, Casuarina plantations, in areas selected for regeneration in the High Forests of Kanara and under provisional schemes for forests which are being organised in the Central Circle.

Improvement fellings.—In the teak forests of North and South Dangs, to be shortly worked under a " Regeneration area system "; the Satpuda Forests of the East and North Khandesh Divisions, the Umarpata, Deomogra, Dhulia and Navapur forests of West Khandesh, the Mahableshwar and Matheran plateaux, the Satmala reserves in East Khandesh in the Central Circle ; and in certain High Forest blocks of Kanara.

Selection fellings.—In the Peint Ranges, Nasik, and Dindori belowghat and Baragaon Dangs; and in the Kanara Divisions. The regeneration area system is in process of introduction in Peint as in the Surat Dangs.

Coppice with standards.—In the forests of Bulsar, Chikhli and Mandvi, Igatpuri, all East Nasik except Kopargaon, and the West Nasik above ghat forest; the teak forests of Poona, Satara, the Edlabad Anjan and scrub working circle of the Satmala forests, and the evergreen forests of Poona; and in certain teak pole areas of the Southern Circle.

Unregulated fellings.—As reported in last year's report. In addition jungle wood trees, chiefly of the species Matti, Kindal, Poonspar and Gurjan were exploited from certain unorganized forests of Kanara partly to meet an indent from the G. I. P. Railway and partly for sale in depots and for sawmills. Jungle-wood trees were also sold standing in the unorganised forests of Supa.

(*ii*) *Minor Forest Produce* (Form No. 64).

Minor forest produce is generally farmed out or sold on permits for local consumption.

(*b*) AGENCY OF EXPLOITATION.

(*i*) *Departmental Agency.*

The main operations carried out departmentally were in general the same as during the last year. The fuel depot at Igatpuri was taken over for deparmental management and as no contractors could be found to work the depots at Ankola, Sirsi and Siddapur in Kanara departmental management had to be continued.

The following is a comparative statement of major and minor produce extracted departmentally during the two years 1922-23 and 1923-24 :—

Circle.	Year.	Major produce.			
		Timber in thousands of cubic feet.	Fuel in thousands of cubic feet.	Total in thousands of cubic feet.	Sandal wood.
					Rs.
Northern Circle ..	1923-24	436	696	1,132	4
	1922-23	390	625	1,015	919
Central Circle ..	1923-24	17	667	684	1,532
	1922-23	7	747	754	1,998
Southern Circle ..	1923-24	1,249	2,639	3,888	63,765
	1922-23	992	4,441	5,433	60,288
Sind ..	1923-24	33	1,618	1,651	..
	1922-23	12	2,178	2,190	..
Total ..	1923-24	1,735	5,620	7,355	65,301
	1922-23	1,401	7,991	9,392	63,205
Difference ..		+334	−2,371	−2,037	+2,096
Percentage of total outturn from all sources ..		77·3	12·2	14·1	100

Circle.	Year.	Minor produce.			
		Bamboos.	Grass.	Other.	Total.
		Rs.	Rs.	Rs.	Rs.
Northern Circle ..	1923-24	10	7,037	210	7,257
	1922-23	58	5,088	107	5,253
Central Circle	1923-24	..	5,000	8,683	13,683
	1922-23	..	..	17,781	17,781
Southern Circle	1923-24	18	..	306	324
	1922-23	..	5	233	238
Sind	1923-24	..	..	28	28
	1922-23	..	18	26	44
Total ..	1923-24	28	12,037	9,227	21,292
	1922-23	58	5,111	18,147	23,316
Difference ..		−30	+6,926	−8,920	−2,024
Percentage of total outturn from all sources ..		·01	·9	3·1	1·1

In the Northern Circle the increase in timber is due to arrival in the depots this year of the material cut and left in the felling areas last year and to greater activity in the departmental fellings in the Peint regeneration area. The total material in the log and sawn brought out to sale depots from regeneration areas in the Dangs was about 2,300 tons or more than double the output of last year. The output of fuel was increased by a larger number of thinning coupes worked departmentally in North Thana.

In the Central Circle the increase in the outturn of timber is due to departmental carrying out of cutting back operations in East Khandesh and the decrease under fuel to there being stocks of fuel on hand at Mahableshwar and Matheran. The fall in revenue from sandalwood is due to refund of Rs. 400 on cancellation of a sale of last year and from minor produce due to the poor crop of Mhowra.

In the Southern Circle the rise in the outturn of timber was due to greater quantity of timber brought to depots by contractors, exploitation of special areas to meet the indent of the G. I. P. Railway, purchase of contractors' logs to supplement the supply to that Railway and to extraction of timber from the very difficult forests in the Nagzhari Valley. A noteworthy feature about the last work was the successful employment of up-to-date mechnical appliances described at greater length elsewhere. The fall in the outturn of fuel was due to curtailment of the demand by the M. & S. M. Railway, and the handing over of some fuel depots in Kanara to contractors. In all 115,102 teak and matti metre-guage sleepers were supplied to the M. & S. M. Railway during the year.

The decrease in the outturn of major produce under fuel in Sind is due to the conversion of the outturn of coupes in Karachi Division into charcoal which could not be got ready within the period covered by this report. The idea of instituting departmental extraction of timber was postponed to a future date owing to slackness in the timber market and experimental sawing of Babul has shown that until a demand for sawn Babul springs up this operation will not pay.

The slump in the timber trade still continues.

Sawmills.—There are seven Government mills: at Karanjara and Chikhalda in the Dangs, at Badgi in Peint which began work only in December 1923; and at Dandeli, Sambrani, Kirwatti and Tambepar in Kanara.

There are also two private sawmills at Waghai in Northern Circle and at Gunjavati in Southern Circle worked by the owners on a system of part share with Government. Trading accounts of the seven Government sawmills are given below.

Surat Division.

Karanjara Sawmill.

Expenditure.			Income.		
	Rs.	Rs.		Rs.	Rs.
1. Timber (unconverted)..		17,959	1. Sales ..		59,458
(*a*) Stock at the end of the previous year—1,342 sleeper pieces at 3 c. ft. each ..	3,220		Sawn material sold during the year.	1,01,348	
(*b*) Taken over during the year for conversion—16,561 sleeper pieces at 3 c. ft. each ..	40,367		*Less*— Stock of sawn timber at the end of the year ..	77,043	
Total ..	43,587		Net. ..	24,305	
Less— Stock on hand at the end of the year (excluding depreciation) ..	25,628		*Add*— Stock of sawn timber at the end of the year excluding depreciation ..	26,153	
2. General consumable stores ..		1,803			
(*a*) Stock at the end of the previous year ..	1,000				
(*b*) Expenditure during the year ..	4,611				
Total ..	5,611				
Less— Stock at the end of the year ..	3,808				
3. Establishment ..	..	6,491			
4. Labour ..	..	3,904			
5. Interest at 6¼ per cent. and depreciation at 6¼ per cent. ..	..	2,020			
6. Repairs to buildings ..	..	..			
7. Miscellaneous ..	..	..			
Profit of the year ..	..	18,281			
Total ..	..	50,458			50,458

Chikhalda Sawmill.

Expenditure.			Income.		
	Rs.	Rs.		Rs.	Rs.
1. Timber (unconverted)		32,117	1. Sales.—		60,420
(*a*) Stock at the end of the previous year—9,668 sleeper pieces at 3 c. ft. each ..	23,566		Sawn material sold during the year	29,700	
(*b*) Taken over during the year for conversion —11,134 sleeper pieces at 3 c. ft. each ..	27,139		*Less.*— Stock of sawn timber at the end of the previous year ..	..	
Total ..	50,705		Net ..	29,700	
Less.— Stock on hand at the end of the year (excluding depreciation) 7,959 sleeper pieces at 3 c. ft. each ..	18,588		*Add.*— Stock of sawn timber at the end of the year excluding depreciation.	30,720	
2. General consumable stores.		5,700			
(*a*) Stock at the end of the previous year ..	1,500				
(*b*) Expenditure during the year ..	6,702				
Total ..	8,202				
Less.— Stock at the end of the year ..	2,502				
3. Establishment ..	..	4,935			
4. Labour ..	..	6,152			
5. Interest at 6½ per cent. and depreciation at 6½ per cent. ..	..	5,954			
6. Repairs to buildings ..	..				
7. Miscellaneous .. Profit of the year ..	..	5,562			
Total ..		60,420			60,420

West Nasik Division.

Badgi Sawmill.

Expenditure.	Rs.	Rs.	Income.	Rs.	Rs.
1. Timber (unconverted)		14,303	1. Sales.		12,038
(*a*) Stock on 1st April 1923 ..	30,300		Sawn material sold during the year	6,035	
(*b*) Taken over during the year for conversion	34,395		*Less.*— Stock of sawn timber on 1st April 1923 ..	..	
Total ..	64,695			6,035	
Less.— Stock on hand on 31st March 1924 (excluding depreciation) ..	50,392		*Add.*— Stock of sawn timber on 31st March 1924 excluding depreciation. ..	6,003	
2. General consumable stores.		1,026			
(*a*) Stock on 1st April, 1923 ..	..				
(*b*) Expenditure during the year ..	3,982		2. Miscellaneous receipts. ..		
Total ..	3,982				
Less.— Stock on 31st March, 1924 ..	2,956				
3. Establishment including ⅓th of the Superintendent, of Sawmills' pay, T. A., etc. ..	3,672	3,672			
4. Labour ..	..	2,334			
5. Interest at 6½ per cent. on Rs. 7,517 previous year and on half Rs. 5,256 current year ..	659	..			
Depreciation on capital expenditure at 6½ per cent. on 1st April 1924 ..	798	1,457			
6. Repairs to buildings ..	..	..			
7. Miscellaneous such as cartage to Nasik, taxes, octroi duty and water dam ..	..	2,428	Loss for the year ..		13,182
Total ..	..	25,220	Total ..		25,220

Kanara Northern Division.

Dandeli Sawmill.

Expenditure.			Income		
	Rs.	Rs.		Rs.	Rs.
1. Timber (unconverted)		1,86,323	1. Sales.		2,19,038
(*a*) Stock on 1st April 1923 ..	..		Sawn material sold during the year.	2,50,080	
(*b*) Taken over during the year for conversion ..	1,86,323		*Less.*— Stock of sawn timber on 1st April 1923.	71,593	
Less.— Stock on hand on 31st March 1924 excluding depreciation ..	..		Net ..	1,78,487	
			Add.— Stock of sawn timber on 31st March 1924 excluding depreciation ..	40,551	
2. General stores ..		1,785			
(*a*) Stock on 1st April 1923 ..	..*		2. Miscellaneous receipts ..		360
(*b*) Expenditure during the year ..	*1,785				
Less.— Stock on 31st March 1924 ..	..		Loss for the year ..		27,679
3. Establishment ..	..	4,425			
4. Labour ..	..	30,971			
5. Depreciation on capital expenditure at 6¼ per cent., and ..	..	5,441			
interest at 6½ per cent.	..	5,659			
6. Repairs to buildings ..	..	..			
7. Miscellaneous ..	..	12,473			
Total ..	..	2,47,077			2,47,077

*Balance of Rs. 35,876 wrongly shown in previous year's account has been excluded from the current year's account as it represented capital expenditure.

Sambrani Sawmill.

Expenditure.			Income.		
	Rs.	Rs.		Rs.	Rs.
1. Timber (unconverted)		52,364	1. Sales.		1,85,462
(*a*) Stock on 1st April 1923 ..	5,074		Sawn material sold during the year	1,56,468	
(*b*) Taken over during the year for conversion ..	48,144		*Less.*— Stock of sawn timber on 1st April 1923	74,032	
Total ..	53,218		Net ..	82,436	
Less.— Stock on hand on 31st March 1924 (excluding depreciation) ..	854		*Add.*— Stock of sawn timber on 31st March 1924 (excluding depreciation) ..	1,03,026	
2. General stores		2,740			
(*a*) Stock on 1st April 1923 ..	..*		2. Miscellaneous receipts. ..		1,925
(*b*) Expenditure during the year ..	2,740				
Less.— Stock on 31st March 1924 ..	..				
3. Establishment ..	..	4,739			
4. Labour ..	..	16,302			
5. Depreciation on capital expenditure at 6¼ per cent., and ..	..	1,409			
interest at 6½ per cent.	..	1,465			
6. Repairs to buildings ..	..	150			
7. Miscellaneous ..	..	10,176			
Profit for the year ..	..	98,042			
Total ..	..	1,87,387			1,87,387

*Rs. 21,459 shown as balance in previous year's account represented capital expenditure and have therefore been excluded from this year's account.

Kanara Eastern Division.

Kirwatti Sawmill.

Expenditure.			Income.		
	Rs.	Rs.		Rs.	Rs.
1. Timber (unconverted)		13,782	1. Sales.		46,021
(*a*) Stock on 1st April 1923 ..	44,151		Sawn material sold during the year ..	73,865	
(*b*) Taken over for conversion during the year ..	41,768		*Less*— Stock of sawn timber on 1st April 1923.	40,734	
Total ..	85,919		Net ..	33,131	
Less— Stock on hand on 31st March 1924 (excluding depreciation) ..	72,137		*Add*— Stock of sawn timber on 31st March 1924 excluding depreciation ..	12,890	
2. General stores		257	2. Miscellaneous receipts ..		
(*a*) Stock on 1st April 1923 ..	2,319				
(*b*) Expenditure during the year ..	257				
Total ..	2,576				
Less— Stock on 31st March 1924 ..	2,319				
3. Establishment ..		7,946			
4. Labour ..					
5. Depreciation on capital expenditure at 6¼ per cent., and ..	..	1,682			
interest at 6½ per cent ..	..	1,749			
6. Repairs to buildings ..	..	1,073			
7. Miscellaneous ..	..	170			
Profit for the year ..	..	19,362			
Total ..	..	46,021			46,021

Kanara Western Division.

Tambepar Sawmill.

Expenditure.	Rs.	Rs.	Income.	Rs.	Rs.
1. Timber (unconverted)		19,672	1. Sales		43,085
(*a*) Stock on 1st April 1923 ..	3,693		Sawn material sold during the year..	43,381	
(*b*) Taken over during the year for conversion ..	37,678		*Less*— Stock of sawn timber on 1st April 1923	18,982	
Total ..	41,371		Net	24,399	
Less— Stock on hand on 31st March 1924 (excluding depreciation) ..	21,699		*Add*— Stock of sawn timber on 31st March 1924 excluding depreciation ..	18,686	
2. General stores		3,366			
(*a*) Stock on 1st April 1923 ..	*5,182		2. Miscellaneous receipts ..		17
(*b*) Expenditure during the year ..	540				
Total ..	5,722				
Less— Stock on 31st March 1924 ..	2,356				
3. Establishment		9,861			
4. Labour		2,344			
5. Depreciation on capital expenditure at 6¼ per cent., and ..		2,362			
interest at 6½ per cent. ..		2,457			
6. Repairs to buildings		386			
7. Miscellaneous		52			
Profit for the year		2,602			
Total		43,102			43,102

*Balance of Rs. 36,752 shown in previous year's account included in Capital Expenditure which has now been excluded and the actual value of consumable stores only, *viz.*, Rs. 5,182 has been taken in this year's account.

The Northern Circle group of saw mills are responsible for a total net profit of Rs. 10,661, the only concern showing a deficit being the Badgi Mill. But this mill has not had a fair trial as it began work only in December. The financial results of this group of saw mills will improve as the markets of Gujarat and the Deccan are worked up. The net profit of the Southern Circle group amounts to Rs. 92,327 as against Rs. 12,208 last year. The only mill showing a loss is the Dandeli mill. Improvement seems to lie in the introduction on a limited scale of more efficient plant and lay out as well as in better output as regards quantity and quality, and in pushing sales. The matter is under investigation. Experience has shown that in general it is more profitable to turn out market sizes than to undertake special indents which result in wastage of materials in rejections and in the shape of off-cuts.

On the whole the results of saw mill working are more satisfactory than last year in spite of a worse market, and this reflects credit on the officers and subordinates concerned.

(*ii*) *Purchasers.*

The following table compares the outturn of major and minor produce removed by consumers and purchasers during the years 1922-23 and 1923-24 :—

Circle.	Year.	Major produce.			
		Timber.		Fuel.	
		Cubic feet in thousands.	Value.	Cubic feet in thousands.	Value.
			Rs.		Rs.
Northern	1923-24	2,160	16,57,979	5,759	51,092
	1922-23	1,746	20,10,351	5,008	35,647
Central	1923-24	873	5,65,567	4,414	80,204
	1922-23	732	4,83,161	3,514	85,544
Southern	1923-24	1,370	4,54,213	6,973	2,09,720
	1922-23	1,479	3,90,711	5,873	1,82,271
Sind	1923-24	127	80,107	16,216	2,92,735
	1922-23	130	88,695	14,116	2,90,081
Total ..	1923-24	4,530	27,57,866	33,362	6,33,751
	1922-23	4,087	29,72,918	28,511	5,93,543
Difference ..		+443	−2,15,052	+4,851	+40,208

Circle.	Year.	Minor produce.			
		Bamboos.	Grass and grazing.	Other minor produce.	Total.
		Rs.	Rs.	Rs.	Rs.
Northern	1923-24	50,771	1,24,011	59,239	2,34,021
	1922-23	49,919	1,29,572	23,063	2,02,554
Central	1923-24	10,830	5,49,233	51,974	6,12,037
	1922-23	11,325	4,75,220	39,392	5,25,937
Southern	1923-24	72,288	78,536	58,343	2,09,167
	1922-23	68,790	66,730	58,996	1,94,516
Sind	1923-24	..	37,179	41,891	79,070
	1922-23	..	35,129	34,307	69,436
Total ..	1923-24	1,33,889	7,88,959	2,11,447	11,34,295
	1922-23	1,30,034	7,06,651	1,55,758	9,92,443
Difference ..		+3,855	+82,308	+55,689	+1,41,852

In the Northern Circle the increase in the volume of timber and fuel is due to clearing land for cultivation in Panch Mahals, more improvement felling coupes sold and on insistence on more accurate classification of material sold on passes from Thana coupes. The large decrease in value is an indication of the unfavourable state of the market. There is a further decrease of about 3·36 lakhs in the revenue from coupes in Thana. In Central Circle the rise under timber is due to the sale of more coupes in the unorganized forests of Nandurbar and Navapur Ranges, of arrear coupes in North Khandesh and Satara Divisions and to larger revenue from teak within the demarcation line in the Poona Division. The enhancement of grazing fees in Kolaba and the fodder scarcity in certain parts of the Circle put up the revenue under minor produce. In the Southern Circle the increase in the value of major produce is due to certain recoveries of previous year's outstandings, sale of standing teak in Gund to a contractor, sale of junglewood trees from certain unorganized forests and to better prices obtained for coupes in Kanara C. D. and S. D., the increase in the demand for bamboos and the enhancement of grazing fees in the Bijapur District increased the receipts under minor produce. In Sind there is an increase from all sources of major and minor produce except under timber, which is due to better prices having been realized by the sale of coupes, babul-pods, lac and from grazing.

(*iii*) *Rights, Privileges and Free Grants.*

The following is a comparative table of the quantity and value of forest produce removed by right and privilege holders and free grantees during the years 1922-23, and 1923-1924.

Circle.	Agency.	Major produce.			
		Timber.		Fuel.	
		Cubic feet in thousands.	Value.	Cubic feet in thousands.	Value.
			Rs.		Rs.
Northern	C.	..	..	5,750	1,95,314
	F.	4	3,988	..	..
Central	C.	..	..	580	26,725
	F.	16	5,609	1	103
Southern	C.	11	3,000	538	6,500
	F.	40	9,975	22	420
Sind	C.	..	..	9	135
	F.	10	1,031	1	11
Total, 1923-24 ..	C.	11	3,000	6,877	2,78,674
	F.	70	19,572	24	534
Total, 1922-23 ..	C.	300	72,000	9,785	2,68,383
	F.	86	23,646	53	1,015

Circle.	Agency.	Minor produce.			
		Bamboos.	Grass and grazing.	Other produce.	Total.
		Rs.	Rs.	Rs.	Rs.
Northern	C.	7,873	3,09,024	19,616	3,36,513
	F.	5	..	274	279
Central	C.	33	33,228	3,040	36,301
	F.	477	..	1,137	1,614
Southern	C.	1,301	2,84,339	11,947	2,97,587
	F.	239	30,536	352	31,127
Sind	C.	..	2,649	..	2,649
	F.	..	3,346	250	3,596
Total, 1923-24 ..	C.	9,207	62,240	34,603	6,73,050
	F.	721	33,882	2,013	36,616
Total, 1922-23 ..	C.	63,967	6,02,906	27,399	6,94,272
	F.	782	40,602	3,626	45,010

C=Concessionists. F=Free grantees.

Privileges are regulated by local rules and codes. Government Resolution No. 8143 of 28th July 1923 restored the privilege of collecting honey and wax to the villlagers of Mahableshwar and Government Resolution No. 8143 of 25th January 1924, discontinued the system of issuing monthly permits on a small fee to villagers for the collection and sale of green karvi and stopped the sale of dead-wood by villagers to the public at Mahableshwar and arrangements as before were made to purchase such dead wood at the Government Fuel Depôt. Rs. 15,166 were paid as Khoti in Kolaba, after an inspection of the forests concerned to assess the damage which was deducted out of the Khots' bills.

(c) Outturn and Sources of Forest Produce.

The outturn from all sources of forest produce during the two years 1922-23 and 1923-24 compares as follows :—

Circle.	Year.	Major produce.			Minor produce.		
		Timber cubic feet in thousands.	Fuel cubic feet in thousands.	Sandal-wood.	Bamboos.	Grass and grazing.	Other.
				Rs.	Rs.	Rs.	Rs.
Northern ..	1923-24 ..	2,600	12,205	4	58,659	4,40,072	79,339
	1922-23 ..	2,144	11,779	919	69,148	4,15,450	30,082
Central ..	1923-24 ..	906	5,662	1,532	11,340	5,87,461	64,834
	1922-23 ..	755	4,834	1,998	11,542	5,10,439	59,911
Southern ..	1923-24 ..	2,670	10,172	63,765	73,846	3,93,411	70,948
	1922-23 ..	2,822	13,356	60,288	1,14,151	3,89,037	80,604
Sind ..	1923-24 ..	170	17,844	..	..	43,174	42,169
	1922-23 ..	153	16,371	..	..	40,344	34,333
Total ..	1923-24 ..	6,346	45,883	65,301	1,43,845	14,64,118	2,57,290
	1922-23 ..	5,874	46,340	63,205	1,94,841	13,55,270	2,04,930
Difference ..	..	+472	−457	+2,096	−50,996	+1,08,848	+52,360

In all 2,438,889 animals were allowed to graze in the forests during the year including 1,873,138 buffaloes, cows and bullocks, 552,323 goats and sheep, 1,471 camels and 11,957 other animals; of which 519,855 were allowed free and the rest on payment of fees as against 2,466,511 in all and 565,758 free in the previous year.

The total expenditure on management of State Forests was :—

	Rs.
Northern Circle	3,44,623
Central Circle	79,251
Southern Circle	14,06,383
Sind	87,546
Total ..	19,17,803

CHAPTER V.

FINANCIAL RESULTS.

The Revenue and Expenditure of the year compare with those of the previous year and the average of the previous quinquennium as follows:—

Circle.	Year.	Revenue.	Expenditure.			Surplus.	Percentage of surplus to gross revenue.
			A.	B.	Total.		
		Rs.	Rs.	Rs.	Rs.	Rs.	
Northern	1923-24.	24,04,148	3,77,261	6,30,959	10,08,220	13,95,928	58·1
	1922-23.	23,21,190	3,13,021	6,44,782	9,57,803	13,63,387	58·7
	Average.	25,86,604	4,10,988	6,05,862	10,16,850	15,69,754	60·7
Central	1923-24.	14,37,278	1,00,393	5,61,950	6,62,343	7,74,935	53·9
	1922-23.	12,76,819	1,10,580	5,71,612	6,82,192	5,94,627	46·6
	Average.	10,39,351	1,38,228	5,61,387	6,99,615	3,39,736	32·7
Southern	1923-24.	26,13,144	14,07,687	6,61,683	20,69,370	5,43,774	20·8
	1922-23.	28,17,296	10,43,205	7,03,268	17,46,473	10,70,823	38·0
	Average.	28,05,789	15,36,880	6,27,646	21,64,526	6,41,263	22·9
Sind	1923-24.	6,25,623	87,895	2,70,575	3,58,470	2,67,153	42·7
	1922-23.	6,19,382	75,334	2,71,467	3,46,801	2,72,581	44·0
	Average.	7,24,869	84,639	2,49,143	3,33,782	3,91,087	54·0
General Direction including Bombay Forest College.	1923-24.	1,947	21,247	99,460	1,20,707	−1,18,760	..
	1922-23.	996	1,398	1,02,183	1,03,581	−1,02,585	..
	Average.	1,097	25,453	93,273	1,18,726	−1,17,629	..
Utilization.	1923-24.	..	..	..	..	..	..
	1922-23.	..	2	189	191	−191	..
	Average.	1	2,448	9,722	12,170	−12,169	..
Engineering branch.	1923-24.	158	33,440	1,08,448	1,41,888	−1,41,730	..
	1922-23.	..	11,754	18,380	30,134	−30,134	..
	Average.	..	2,351	3,676	6,027	−6,027	..
Total Presidency.	1923-24.	70,82,298	20,27,923	23,33,075	43,60,998	27,21,300	38·4
	1922-23.	70,35,683	15,55,294	23,11,881	38,67,175	31,68,508	45·0
	Average.	71,57,711	22,00,987	21,50,709	43,51,696	28,06,015	39·2
Difference between.	1923-24 and 1922-23.	+46,615	+4,72,329	+21,194	+4,93,523	−4,47,208	..

N.B.—The above figures are exclusive of revenue and expenditure on account of famine fodder and 52A Forest Capital outlay. A sum of Rs. 58,730 properly debitable to 52A Loan in 1924-23 was debited under '8 Forest' in the Accountant General's office against the Northern Circle the entry being readjusted in 1923-24 by decreasing the expenditure under 8 Forest and increasing the debit against Loan. For the sake of statistical comparison the actual expenditure under 8 Forest within the years is tabulated above. Also subsequent to the supply of final Form No. 68 for incorporation in the Annual Report of 1922-23 adjustments on account of expenditure in England (Rs. 44,497) and differences due to exchange, etc., were made by the Accountant General raising the total expenditure under 8 Forest for the Presidency in 1922-23 to Rs. 40,12,068 inclusive of Rs. 58,730. As similar figures are not available for 1923-24 they have been excluded from the comparative statements in this Report.

The only considerable increase in the gross and net revenue and in the percentage occurs in the Central Circle, while the figures for the Northern Circle are remarkably similar to last year's. The improvement in the Central Circle, is due, in about equal proportions, to increased receipts under timber and under grass and grazing. In the Northern Circle the slump in trade was set off to a certain extent by the rather fortuitious circumstance of clearance of forest land for cultivation as also by increased activity in departmental operations. These last coupled with the improving prices of coupes, offer a good outlook for the future. The large decrease in revenue in the Southern Circle is due to failure of contractors to bring the expected material in time for sales, the poor results of the auctions, and to large bills amounting to Rs. 3,54,700 for material supplied to the Railways having remained unadjusted. In Sind departmental operations and punctual recoveries of dues raised the gross revenue.

The considerable increase in expenditure is chiefly due to greater activity in departmental operations undertaken in the Southern Circle in connection with the supplies to Railways and exploitation of the Nagziri valley and to expenditure on development of communications, etc., which cannot be expected to be remunerative straightaway.

The sources of revenue and the heads of expenditure are analysed and compared in the following statement :—

Sources and heads.	General Direction and Engineering Branch.	Northern Circle.	Central Circle.	Southern Circle.	Sind.	Total.		Increase or decrease.
						1923-24.	1922-23.	
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
RECEIPTS.								
Ia and IIa ..	..	20,05,222	5,69,192	17,74,692	93,787	44,42,863	43,62,155	+ 80,708
Ib and IIb...	..	53,725	1,21,823	5,11,491	3,88,889	10,75,928	12,24,187	—1,48,259
Ic and IIc ..	..	50,771	10,919	72,306	..	1,33,996	1,30,393	+ 3,603
Id ..	..	4	1,533	68,866	..	70,403	1,18,157	— 47,754
IId ..	..	1,26,586	5,54,387	78,536	32,547	7,93,056	6,94,512	+ 98,544
Ie and IIe ..	..	63,701	60,734	58,649	45,550	2,28,634	1,93,722	+ 34,912
III ..	..	359	3,272	392	530	4,553	2,786	+ 1,767
IV ..	..	11,371	15,958	5	..	27,334	11,277	+ 16,057
V ..	2,105	95,149	1,03,367	70,864	70,929	3,42,414	3,05,970	+ 36,444
Refunds ..	..	—2,740	— 3,907	— 22,657	—7,579	— 36,883	— 7,476	— 29,407
Total Revenue.	2,105	24,04,148	14,37,278	26,13,144	6,25,623	70,82,298	70,35,683	+ 46,615

Sources and Heads.	General Direction.	Northern Circle.	Central Circle.	Southern Circle.	Sind.
EXPENDITURE.	Rs.	Rs.	Rs.	Rs.	Rs.
A.—Conservancy and Works.					
I	20,424	2,22,364	24,707	11,95,001	59,063
II	..	24,912	10,099	4,219	160
III	..	15	30	191	25
IV	..	53	..	..	..
V	..	28,451	18,772	70	..
VI	11	5,349	1,604	15,948	752
VII	..	30,670	14,459	1,06,509	11,031
VIII	..	41,922	19,538	67,695	8,077
IX	812	23,525	10,584	18,054	7,887
Total A ..	21,247	3,77,261	1,00,393	14,07,687	87,895
B.—Establishments.					
I	38,722	1,18,831	1,02,060	1,54,035	62,133
II	40,465	3,84,707	3,54,956	3,69,584	1,52,859
III	17,841	1,00,915	88,746	1,17,685	39,510
IV	2,432	26,506	16,188	20,379	16,073
Total B ..	99,460	6,30,959	5,61,950	6,61,683	2,70,575
Grand Total ..	1,20,707	10,08,220	6,62,343	20,69,370	3,58,470
Surplus, 1923-24 ..	−1,18,760	+13,95,928	+ 7,74,935	+ 5,43,774	+2,07,153
Surplus, 1922-23 ..	−1,02,776	+13,63,387	+ 5,94,627	+10,70,823	+2,72,581
Difference ..	− 15,984	+ 32,541	+ 1,80,308	− 5,27,049	− 5,428

Sources and Heads.	Engineering Branch.	Total.		Increase or decrease.
		1923-24.	1922-23.	
EXPENDITURE.	Rs.	Rs.	Rs.	Rs.
A.—Conservancy and Works.				
I	14,397	15,35,956	11,07,038	+ 4,28,918
II	....	39,990	36,747	+ 3,243
III	....	261	204	+ 57
IV	....	53	....	+ 53
V	....	47,293	43,761	+ 3,532
VI	932	24,596	24,659	— 63
VII	18,010	1,80,679	1,59,938	+ 20,741
VIII	....	1,38,132	1,28,781	+ 9,351
IX	101	60,963	54,166	+ 6,797
Total A ..	33,440	20,27,923	15,55,294	+ 4,72,629
B.—Establishments.				
I	49,323	5,25,104	4,94,119	+ 30,985
II	26,864	13,29,435	13,11,219	+ 18,216
III	27,360	3,92,057	4,19,799	— 27,742
IV	4,901	86,479	86,744	— 265
Total B ..	1,08,448	23,33,075	23,11,881	+ 21,194
Grand Total ..	1,41,888	43,60,998	38,67,175	+ 4,93,823
Surplus, 1923-24 ..	— 1,41,730	+ 27,21,300	....	....
Surplus, 1922-23 ..	— 30,134	....	+31,68,508	....
Difference ..	— 1,11,596	....	....	— 4,47,208

The revenue and expenditure of the year are further analysed as follows :—

Class.	General Direction and Forest Engineering Branch.		Northern Circle.		Central Circle.	
		Percentage.		Percentage.		Percentage.
Revenue.	Rs.		Rs.		Rs.	
Major produce ..	....	..	20,58,951	86	6,92,548	48
Minor produce ..	....	..	2,41,058	10	6,26,040	44
Miscellaneous ..	2,105	100	1,06,879	4	1,22,597	8
Refuuds ..	....	..	—2,740	..	—3,907	..
Total Revenue ..	2,105	..	24,04,148	..	14,37,278	..
Expenditure—A.						
Extension and constitution ..	....	..	4,134	..	2,369	2
Improvement ..	18,010	33	64,137	18	29,631	30
Exploitation ..	35,764	66	2,85,465	76	57,809	57
Miscellaneous ..	913	1	23,525	6	10,584	11
Total A ..	54,687	..	3,77,261	..	1,00,393	..
Expenditure—B.						
Administrative ..	71,226	72	50,545	8	42,393	8
Executive ..	....	..	1,95,518	31	1,59,371	28
Protective ..	28,234	28	3,84,896	61	3,60,186	64
Total ..	99,460	..	6,30,959	..	5,61,950	..
Forest Engineering ..	..	..	..	..	..	..
Total B ..	..	..	..	..	..	..

Class.	Southern Circle.		Sind Circle.		Total.	
		Percentage.		Percentage.		Percentage.
Revenue.	Rs.		Rs.		Rs.	
Major produce ..	23,55,049	89	4,82,646	77	55,89,194	79
Minor produce ..	2,09,491	8	79,097	12	11,55,686	16
Miscellaneous ..	71 261	3	71,459	11	3,74,301	5
Refunds ..	—22,657	..	—7,579	..	—36,883	..
Total Revenue ..	26,13,144	..	6,25,623	..	70,82,298	..
Expenditure—A.						
Extension and constitution ..	1,234	..	349	..	8,086	..
Improvement ..	1,69,428	12	18,958	22	3,00,164	15
Exploitation ..	12,18,971	87	60,701	69	16,58,710	82
Miscellaneous ..	18,054	1	7,887	9	60,963	3
Total A ..	14,07,687	..	87,895	..	20,27,923	..
Expenditure—B.						
Administrative ..	47,280	7	44,801	17	2,56,245	11
Executive ..	2,52,859	38	1,04,055	38	7,11,803	30
Protective ..	3,61,544	55	1,21,719	45	12,56,579	54
Total ..	6,61,683	..	2,70,575	..	22,24,627	95
Forest Engineering ..	....	..	....	..	1,08,448	5
Total B ..	....	..	....	..	23,33,075	..

The expenditure incurred during the year from the provision under 52A, Forest Capital outlay is shown below :—

Heads.	Northern Circle.	Central Circle.	Southern Circle.	Forest. Engineering Branch.	Total.
	Rs.	Rs.	Rs.	Rs.	Rs.
Stores, Tools, etc., and Mechanical appliances ..	..	..	..	1,17,034	1,17,034
Communications ..	24,799	4,790	61,691	57,612	1,48,892
Buildings	35,220	..	3,080	1,503	39,803
Other works .. .	..	..	..	..	..
Total ..	60,019	4,790	64,771	1,76,149	3,05,729

The outstandings on account of revenue at the commencement and close of the year were :—

	On 1st April 1923.	On 31st March 1924.
	Rs.	Rs.
Northern Circle	1,31,059	56,750
Central Circle	3,577	24,794
Southern Circle	9,46,414	8,20,310
Sind	1,42,974	1,57,254
Total ..	12,24,024	10,59,108

Outstandings of revenue amounting to Rs. 1,52,053 were written off as irrecoverable in the Central (Rs. 85) and Southern (1,51,968) Circles.

The outstandings on account of contractors and disbursers were as below :—

	On 1st April 1923.	On 31st March 1924.
	Rs.	Rs.
Northern Circle ..	18,672	21,590
Central Circle ..	2,653	1,531
Southern Circle ..	4,80,125	3,99,072
Sind ..	16,398	29,290
General Direction Division ..	21,663	3,617
Total ..	5,39,511	4,55,100

CHAPTER VI.

RESEARCH AND EXPERIMENTS.

No regular programme of research could be undertaken for want of special staff.

Experiments.—In West Nasik Division further experiments were made with the treatment of teak seed. Among various methods the following two were considered best :—A 6″ layer of seed collected in January 1922 was put into a pit 1′ deep in February 1922 and covered with a layer of river sand 2″—3″ thick and watered twice daily for 8 days, then spread out to dry in the sun for 8 days, this being repeated thrice in all. The seed sown in May 1922 gave 25—30 per cent. germination. Secondly a 6″ layer of seed collected in January 1923 was placed in May 1923 in a rectangular enclosure made of 4 logs on a hard and slightly sloping piece of ground. The seed was left over a whole monsoon and stored inside in October 1923 for sowing in May 1924. This method gave 12 per cent. germination. The first method was the one followed for direct sowing in the regeneration area in May 1923 and proved successful, but another area which was sown with seed which had been subjected to two alternations of soaking and drying completely failed. Method II also gave very good results on another area. In East and North Khandesh Divisions experiments are continued for ascertaining the best height for coppicing Anjan. In both Divisions the problem of artificially stocking areas with teak, and in the latter the experimental cultivation of Rosha are being investigated. In Mahableshwar (Satara Division) and in Dapoli (Kolaba Division) on a smaller scale experiments were carried out with a view to raising Eucalyptus species in plantations. *E. globulus* sown in July in beds in three different localities in Mahableshwar germinated well but the heavy rainfall at one place killed off the seedlings and at the two others the survival amounted to only 5 and 10 per cent. These were planted out directly into pits and also by means of baskets and were brought sucessfully through the hot weather.

A second set of experiments was started in October with *E. globulus*, *maculata*, *tereticornis*, *saligna*, *paniculata*, *crebra*, *termanalis*, *henulampa*, *rostrata* and *citriodora*, sown in boxes containing different soils and also in beds. Artificial watering was resorted to and the germination was profuse. The seedlings when about 3″ high were pricked out into beds and a few into baskets for experimental purposes. The percentage of survivals has been satisfactory, the first 3 species named doing best with a height of 1 to 2′. Now it remains to be seen whether Eucalyptus species raised in nurseries can be transplanted economically and successfully in forests—transplanting will be done in the 1924 season. In all about 8,500 seedlings were raised at a cost of Rs. 105-1-0. Nursery work might be rendered much cheaper if sowings in beds are made in February, instead of in October, thus reducing the treatment by 3 months.

The attempts to grow Casuarina without watering in Kolaba and S. D. Kanara have resulted in 50 per cent. survivals in Kolaba and

complete stocking in favourable localities at half the usual cost in the latter Division.

Mr. Walker, now Divisional Forest Officer, Hyderabad, was deputed for about 2 months to the Central Provinces to study the question of lac propagation. Experiments in the artificial propagation of lac were continued in Karachi and Hyderabad Divisions. In Karachi Bor and Babul trees, pruned in April, were infected by tying bundles of brood sticks before and after swarming had commenced. The former appeared to have caught on but subsequently failed. The showers in August did not affect the latter but the northerly winds of October and squirrels rendered the second experiment unsuccessful. It was also noted that in future experiments pruning must be done at the latest in November for Babul and in February for Bor for the hot weather infection. For the cold weather infection Bor and Babul were pruned by July. The brood sticks taken from 30 Babul trees reserved for the purpose, were put into baskets which were tied at the base of the pollard shoots. The swarming lasted from November 1923 to 6th January 1924, after which the brood sticks were recovered. The severe December frost did not harm the crop. The method followed has given better results than the tying of brood sticks on to the twigs. In Hyderabad of 59 trees infected in November, incrustation appeared on only 18. Babul trees were also lopped in February and March in preparation for the hot weather infection but from the experience gained in Karachi it would appear that this operation should have been done earlier.

Charcoal making in the ever-green areas of the Satara Division, carried out departmentally for lack of private enterprise, demonstrated that this industry is capable of much expansion. Rs. 4,657 were spent on making 179 tons charcoal of which 136 tons realised Rs. 10,145 leaving a balance of 43 tons in hand. At present charcoal from the Belgaum District is imported in large quantities and competes successfully with the local product. Besides the local market there are good markets on the coast, holding out prospects for the industry in the hitherto unworkable forests in the west of the Division. In the West Khandesh Division contractors produced 5,927 Bengal maunds of charcoal for export. A small experiment in Dandeli (N. D. Kanara) produced 800 cft. of charcoal out of 1,780·5 cft. of fuel at a cost of Rs. 151 and the sale proceeds realised Rs. 200.

Mechanical Appliances.

The Foden steam tractor and 8 ton Dyson trailer ordered out last year for test on forest roads worked between Sambrani sawmill and Alnavar Railway station, transporting sleepers, and will in future be used for transporting logs and sawn material. The outfit does the work of 12—14 carts and at lower rates and without particular damage to the roads. For the extraction of logs from the hitherto unexploited steep slopes of the Nagjhiri valley (N. D. Kanara) a special outfit was imported consisting of a Fordson Tractor with a skidding winch attachment. The outfit worked continuously without breakdown and the cost of

extraction including supervision, depreciation and interest was lower than for work by buffaloes or elephants. Work of this kind is being extended. The cross-cutting outfit including a Petter oil engine installed in the Belgaum forest did not prove successful owing to breakdowns and other causes.

Utilization.

General.—The work of the Utilization Circle was carried out by the Chief Conservator of Forests.

Industries.—No further advance has been made by the licensees, the Eastern Development Corporation, Ltd., in working the *Boswellia serrata* tapping license. A little gum was collected and sent to them on request for experimental purposes. The negotiations for a license to use Shirpur grass for the manufacture of paper pulp have led to the signing of an agreement but the licensees Messrs. Kamat and Sons have not started work in the forests yet. The Guzrath Islam Match Manufacturing Co., of Ahmedabad, removed 151 cart-loads Simal and other match wood species mainly from the Panch Mahals and the Karad Match Factory after testing various species of woods found 'Lod' (*Symplocos Beddomei*) the most suitable for both splints and box veneers. The Company was allowed to cut and remove this species at a nominal fee of annas 8 per cart-load. Enquiries from several firms were also received during the year and samples of various soft woods were supplied for testing.

Economic Research.—The Rosha distillation plant ordered out by the Director of Industries for experimental purposes could not be got ready in time at the site but it is unlikely experiments with this plant will be necessary now as negotiations are on foot for giving the Rosha contract to a Syndicate who will employ modern methods of distillation. A sample of Navapur grass kept in the famine storage was tested for paper pulp in the Forest Research Institute and was found unsuitable for the purpose. Also 400 Dowga bamboos were sent to the Forest Economist for experimental manufacture of paper pulp and the results of experiments are still awaited at the time of writing this report. Experiments were arranged in a Jute Mill at Calcutta and in a cotton mill at Hubli to test picking sticks of *Lagerstœmia microcarpa*, *Anogeissus latifolia*, *Hardwickia binata*, *Grewia tiliaefolia*, and *Stephegyne parvifolia*. The last broke very soon, the other samples lasted well though wearing faster than Hickory sticks. Further tests are in progress. Similar experiments were instituted through the Forest Economist, Forest Research Institute, for testing *Diospyros melanoxylon*, *Ougeinia dalbergioides* and *Grewia* against Hickory picking sticks, and an *interim* report with regard to the first two and *Anogeissus latifolia* has been received indicating their suitability.

Famine grass operations.—Before the close of the year under report 12,036,583 lbs of pressed grass was stored at Godhra, Dohad, Palghar, Navapur and Khandbara. Owing to failure of the monsoon last year

and the consequent fodder scarcity in the Deccan and Gujarat districts demands were made on the storage which supplied in all 3,963,645 lbs of grass to the affected districts. The Khandesh grass is generally not liked by the Deccan cattle. Two sheds for grass storage, one each at Godhra and Dohad were completed during the year and a third one was under construction at Palghar at the close of the year.

Forest Museum, Bombay.—The difficulty regarding space still continues. A collection of samples of Bombay timbers made by Mr. F. Wright, late Superintending Engineer, P. W. D., was acquired but pending provision of space in the museum it is kept at Poona in the office of the Chief Conservator of Forests.

Messrs. Howard Brothers' Timber Agency.—The following statement shows Messrs. Howard Brothers' transactions up to 31st March 1924. There is a further fall in the rate realised.

Description of timber.	Shipped during 1920-21 to 1922-23.		Shipped during 1923-24.		Total.		Sold during 1920-21 to 1922-23.	
	Tons	Cft.	Tons	Cft.	Tons	Cft.	Tons	Cft.
Teak ..	460	37·05	....		460	37·05	62	41·9
Matti ..	221	12·04	6	10·64	227	22·68	80	17·0
Rosewood ..	18	2·86	....		18	2·86	6	34·3
Honne ..	1	30·85	....		1	30·85	....	
Total ..	701	32. 8	6	10·64	707	43·44	149	43·2

Description of timber.	Sold during 1923-24.		Total.		Net proceeds.	Rate per ton.	All charges from Depots to London. Average for all consignments per ton.	Net amount realised.
	Tons.	Cft.	Tons.	Cft.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
Teak ..	18	31·25	81	23·15	2,057 2 6	25 5 1	8 10 0	16 15 0
Matti ..	18	0·5	98	17·5	2,032 5 5	20 14 0	8 10 0	12 4 0
Rosewood ..	8	45·8	15	30·1	411 5 2	26 7 0	8 10 0	17 17 0
Honne ..	....		....		....	....	....	....
Total ..	45	27·55	195	20·75	4,500 13 1	....	....	....

CHAPTER VII.

ADMINISTRATION.

The office of the Chief Conservator of Forests, was held throughout the year by Mr. W. E. Copleston.

The territorial Circles were held by the following officers :—

Northern Circle ..	Mr. G. E. Marjoribanks.	Throughout the year.	
Central „ ..	„ C. E. L. Gilbert..	From 1-4-23 to	30-11-23
	„ E. M. Hodgson ..	„ 1-12-23 to	31-3-24
Southern „ ..	„ A. G. Edie ..	„ 1-4-23 to	11-2-24
	„ H. L. Newman ..	„ 12-2-24 to	31-3-24
Sind „ ..	„ H. L. Newman ..	„ 1-4-23 to	5-4-23
	„ P. E. Aitchison ..	„ 6-4-23 to	31-3-24

A post of Superintending Engineer, Forest Department, was created for a period of five years from 1st January 1924 and Mr. T. S. Pipe, on deputation from the Public Works Department was appointed to hold it. Under him Messrs. Alexander and Holmes worked as Forest Engineers, Northern and Southern Divisions, respectively, and Mr. Boutelle as Superintendent of Saw Mills.

Out of the 28 Divisional charges including 3 Working Plan Divisions 15 changed hands during the year, 12 were held throughout the year by Imperial Officers, 10 by Provincial Officers, and 6 were held for part of the year by either.

A third wholetime Working Plan Officer was appointed during the year. As stated elsewhere there is a great deal of work to be done in the matter of revising old plans and drawing up new ones. The work also is of such great importance to the future of the valuable forests of this Province that expert control and co-ordination of the work by a senior officer is necessary, especially since the preparation of a plan cannot always, owing to there being few senior officers, be entrusted to an experienced officer, as it ordinarily should be.

At the close of the year the number of officers attached to Divisions as Assistant Divisional Forest Officers or Sub-Divisional Forest Officers was 10 Imperial and 8 Provincial, excluding two who were in charge of Ranges.

The death of Mr. N. E. Shrigley, P.F.S., Divisional Forest Officer, Poona, which occurred on 27th February 1924 is recorded with regret.

The Department was deprived of one of its most experienced officers by the retirement of Mr. D. J. Navani, Deputy Conservator of Forests.

The new recruits who joined during the year were Messrs. R. F. Sandeman, R. J. Smith, G. S. Singh, J. A. Singh, Assistant Conservators, and Messrs. F. A. B. Coelho, F. M. Kewalramani and V. A. N. Sausman, Probationary Extra Assistant Conservators.

Mr. K. E. Kotwal was promoted to the Imperial Service *vice* Mr. D. J. Navani, retired. Messrs. P. S. Yennemadi, K. V. Mankikar and W. E. Pereira were promoted to the Provincial Service.

Subordinate establishment.—Six new Rangers trained at the Forest Research Institute and College, Dehra Dun, joined service during the year.

The class for Foresters was held as usual in the Northern Circle from April to June and again from November to January inclusive under the supervision of Mr. V. G. Dharap, Ranger, and out of 16 subordinates deputed from the Northern and Central Circles 9 passed the examination. The class for Foresters in Southern Circle opened last year in conjunction with the second year's Ranger students of the Bombay Forest College, then abolished, was not continued this year. A course of instructions in Arboriculture extending over 6 weeks from 1st September 1923 was given to subordinates of the Forest Department, District Local Boards and Municipalities in Sind.

Casualties and Punishments.

Particulars.	N.C.	C.C.	S.C.	Sind.	Total.	
					1923-24.	1922-23.
1. Retirements .	17	18	11	7	53	76
2. Deaths ..	7	12	15	2	36	46
3. Resignations.	32	13	12	16	73	79
4. Prosecutions.	..	..	..	..	..	6
5. Degradations.	6	3	9	17	45	30
6. Dismissals, removals, etc.	108	44	17	19	188	196

The health of the staff was on the whole good.

The work of the Rangers, with a few exceptions has been well reported on. One Ranger was dismissed in the Northern Circle for grave breach of duty in connection with the supervision of thinning coupes sold to contractors. The other protective establishment as well as the clerical staff worked fairly satisfactorily. The prosecution of two guards in East Khandesh referred to in last year's report resulted in conviction.

Civil suits.—There were no fresh suits. Appeals are still pending in 3 suits one of which was filed by Government in Northern Circle and the

two others filed by contractors in Central Circle and Southern Circle respectively.

Inspection and tours.—His Excellency the Governor of Bombay camped at Dandeli in Kanara, N. D., from 21st to 30th May 1923 and visited many of the neighbouring forests.

The Chief Conservator of Forests toured in and inspected all the important forest tracts of the Presidency including Sind.

Inspection of Divisional and other offices disclosed no ser ious irregularities. The extra clerical staff supplied last year to clear off the arrears in the N. D. Kanara office was taken away at the end of the year as the office was brought to its normal state.

Land Revenue Administration.—The Revenue management of the seven villages in East Khandesh transferred to the Forest Department in G. R., R. D., No. 6264 of 4th November 1922 was satisfactory. In the Southern Circle, the Virnoli, Kulgi and Dandeli Mahals in N. D. Kanara were administered by the Range Forest Officers as *ex-officio* Mahalkaris, the Divisional Forest Officer being *ex-officio* Assistant Collector. Almost all land revenue was collected except in a few cases where forfeiture of lands has been recommended. The Mahals of Bilki and Kirwatti in E. D. Kanara were similarly administered by the Range Forest Officers. Bhartnalli and Kirwatti respectively as *ex-officio* Mahalkaris, the Divisional Forest Officer being *ex-officio* Assistant Collector.

In accordance with G. R., R. D., No. 9231 of 20th November 1923 the Revenue administration of the two Mahals of Khanapur and Belgaum was retransferred to the Revenue Department with effect from 1st February 1924.

The proposals referred to in last year's report regarding 'kumri' question in the Belgaum Division were sanctioned by the Commissioner for one year only. Of the 13 villages in which 'Hangami kumri' was to be restored only 8 villages availed themselves of the offer and the rest did not take up lands as it was too late in the season. Of the 6 villages which were to be given additional land from Reserved Forest only one took the land but did not cultivate it. It is proposed to continue the same allotments for the year 1924-25 and the Divisional Forest Officer, whose time has hitherto been mostly taken up by the Railway fuel supply and other important work, will report on the working of the proposals after visiting the villages.

The area of 'kumris' in the Supa Petha decreased from 8,556 acres 30 gunthas to 8,518 acres 30 gunthas due to relinquishments. The 'kumris' in two villages of Karwar taluka underwent no change in area which is 371 acres 10 gunthas.

A notable departure from the policy of the past was the posting of an Extra Assistant Conservator to the charge of the Akrani where as Range Forest Officer he has now to exercise control over Forest, Revenue, Excise and Public Works Departments. The reserved forest area remains unchanged; the former Jahagir forests of Shindi and Sawaria having lapsed to Government have been notified under Section 4 of the Indian Forest Act

Land assessment collected at the old rate and on the 'Nazar Andaji' system amounted to Rs. 4,915 as against Rs. 3,819 last year, the areas under cultivation being 19,473 acres and 19,612 acres respectively. The 'Autbandi' system will be introduced from the year 1924-25 under G.R. No. 9383 of 6th February 1924, R.D., but has evoked much protest from the people. Rs. 2,500 were distributed as 'tagai' and the recoveries amounted to Rs. 6,639 principal and Rs. 784 interest. It is again suggested that a small agricultural farm attached to the Dhadgaon school would render that school more popular as well as more beneficial to the Bhil. The Mission School at Mundalwad sustained a heavy loss through the death of Rev. Ljungfaldt. Attempts to revive the Dhadgaon weaving school received no response from the local population who look upon it with conservative distrust, the main objection being the caste of the teacher who is usually a mahar. It is proposed to house the dispensary in the present P. W. D. store after suitable alterations. The year has to record an unusual occurrence, namely, the theft of Government cash to the tune of Rs. 1,077 from the Range office. The culprits have not yet been brought to book. The Agricultural Department has decided again to start cattle breeding and also silage making. A further reduction in the Excise establishment was made effecting an annual saving of Rs. 2,300. There was a serious breakdown of the stills owing to which 9,197 60° U. P. gallons of liquor had to be brought from Nandurbar. The sale of liquor rose from 17,891 gallons in the previous year to 29,366 (exclusive of consumption by Kathi) with a corresponding rise in revenue from Rs. 26,837 to Rs. 44,049. Partly as a result of greater vigilance in preventing illicit distillation and partly on account of a poor Mhowra crop there was a further fall in the number of Excise offences.

The Raisingpur Estate continued to be managed by the Forest Department through a Ranger, Mr. D. M. Gupte, under the Court of Wards.

Four new in-forest settlements were established during the year in the North Khandesh Division. There is no difficulty in settling cultivators along the southern forest boundary of the Satpudas wherever the soil is suitable but the deficient water supply needs to be improved by the provision of wells.

CHAPTER VIII.

GENERAL.

There was no improvement in the timber trade, rather the reverse, during the year under report. As explained elsewhere the revenue of the year would have been much higher but for the delayed adjustment of certain large bills in the Southern Circle and the necessarily deferred income from departmental undertakings. Not all expenditure of a capital nature, *i.e.*, such as would enhance the value of and improve the earning capacity of the forest property is met out of loan funds but a large part of it is charged to revenue. The surplus of Rs. 27·21 lakhs represents

an income of 38·4 per cent. of the gross revenue, a percentage not much below the average for the quinquennium ending 1922-23. The extent of the slump in trade may be gauged by the fact that whereas the best coupe in North Thana where the highest prices are realised fetched Rs. 166 per acre in 1922-23 a similar coupe averaged only Rs. 130 per acre during the year under report. On the total acreage of 7,990,744 acres of forests in charge of the Forest Department, the gross and net revenue work out at about 14½ annas and 5½ annas respectively. The low average of gross revenue in comparison with the North Thana figure just given is due to the fact that the Forest Department has under its charge areas which not only do not give any revenue but actually cost something to protect and maintain chiefly in the interests of the regulation of the water supply. Also the Department gets no credit in its accounts for the large amount of Rs. 7,19,594 representing the value of material given free under rights and privileges or as free grants.

Development in the Dangs and Peint made good progress during the year, the saw mills are placed on a much better footing and various working plans are under preparation or revision. Charcoal manufacture is on the increase and permit rates have been either revised or are under revision in the Central Circle and the grazing fee rates are under revision. All these combined hold out much promise for the future.

The Engineering Branch under Mr. Pipe, Superintending Engineer, Forest Department, continued to turn out valuable work. The part played by this Branch in furthering the progress and development of the Department usually escapes attention as no revenue can be shown in its accounts as directly accruing from its activities. Much of the work done is undoubtedly for the lasting benefit and future profit of the Department as a whole.

A contract for the supply of over 10,000 teak crossing sleepers to the G. I. P. Railway was completed and the supply to the same Railway of teak logs and sawn hardwood was continued. The latter was however stopped by mutual consent as timber in the Bombay market was and still is extraordinarily cheap. A contract was entered into with the M. & S. M. Railway for the annual supply of 1 lakh M. G. sleepers for three years though all attempts to enter into a contract for the supply of fuel failed as the Railway have decided to use coal in preference to fuel which they had been taking from the Forest Department for well nigh 35 years without a formal contract. This sudden disappearance of an assured market has affected the economical management of certain forests worked for the supply of fuel.

The question of the Dangs Railway is held over pending trials of the Foden tractor in the Southern Circle and investigation of other forms of transport.

The traffic over the Alnawar-Dandeli Railway decreased from 16,392 tons in the previous year to 13,860 tons during the year. This is due chiefly to the shortage of waggons which is understood to be general throughout the M. & S. M. Railway. The question of opening the line

to passenger traffic was under the consideration of Government who have since issued orders.

After careful consideration Government declared its decision in their Resolution No. 8352, R.D., dated 15th February 1924 on the Retrenchment Committee's proposals. The majority of the recommendations, including the abolition of the post of Chief Conservator and reconversion of the post of Conservator of Sind into that of Deputy Conservator, were not agreed to but large reductions since 1921 were effected involving an annual saving of Rs. 1,03,980 and Rs. 1,06,072 on permanent and temporary establishments respectively.

The proposals for the redistribution of the three existing Forest Divisions of Kanara, C.D., E. D. and S .D, into two and for the constitution and working of the new Coast Division for the minor forests were sanctioned by Government to have effect from the 1st April 1924. The formation of the new Division was brought about mainly with the object of working the forests entirely for the satisfaction of the needs and privileges of the more densely populated coastal tract and for providing the coast villages and towns with a regular supply of cheap fuel. The new Division is placed under the direct control of the Collector in the matter of grant of fresh privileges and the exercise of the existing ones, that officer being invested with the powers of a Forest Officer. This new arrangement, it is hoped, will lead to satisfactory results so far as the grievances of the coast population are concerned.

The Berad Settlement at Dandeli continued its useful work. The school started there is progressing well. In the Belgaum Division 83 families of Berads were put on forest work, chiefly the preparation of fuel for the Railway but had to be withdrawn from the work as no more departmental supply of fuel was needed.

The Government Cart Depôts, maintained in Kanara, Northern, Eastern and Western Divisions, were very useful in relieving the difficulties due to the scarcity of local carts in transporting forest material and touring officers' kit.

Remarks of Commissioners on Circle Reports.

Sind Circle—

Commissioner in Sind (Mr. J. L. Rieu, C.S.I.) has no comments to make on the report of the Sind Circle.

Northern Circle—

Commissioner, N. D. (Mr. F. G. Pratt, I.C.S.):—

"Mr. Perry completed his work in connection with the Gurcharan Settlement in Thana and his further report, which has reached the Commissioner only lately, will be dealt with separately.

"In the Panch Mahals the demand for land for agricultural purposes from outside settlers continued keen. About 7,200 acres of land bearing an assessment of nearly Rs. 22,000 were given out. This policy of

In-Forest Settlements has proved useful from the point of view of the protection of the forests apart from the consideration of revenue.

"2. In Surat and Panch Mahals the working plans which are old and obsolete need revision. As for the Dangs Mr. Walker has collected the necessary data and his report on the working plans there is soon expected.

"3. The Subir-Navapur Road in the Dangs was completed during the year and as the system of roads there is now finally complete the timber traffic has been steadily developing. It is important that these fair weather roads should be metalled and bridged for the better facility of transport. The Commissioner endorses the views of the Conservator that the great need for the time is expenditure on new roads and house construction for the better development of the valuable forests by making them accessible to the market.

"4. There was a slight decrease in the receipts of grazing fees.

"5. There has been no remarkable change in the number of forest offences except that in Thana the replacement of Guards by Foresters on a big scale has helped to increase the detection of crime there by about 25 per cent. In spite of this it is unfortunate that the number of undetected offences is going on increasing form year to year.

"6. As regards the exploitation of the forests it might be noticed that although there was a small increase in the quantity of timber and fuel sold the realizations fell from Rs. 20,45,998 to Rs. 17,09,071. The decrease was due to the fall in the market for timber. The output from the Dangs was specially satisfactory being more than double the quantity of last year. This creditable result was mostly due to the construction of the new Subir-Navapur Road.

"7. There was hardly any noticeable improvement in the financial results viewed as a whole. Individually Panch Mahals and Surat showed a marked increase in their revenues. At the former place the good result was due mostly to the large receipts of revenue from lands given out for cultivation while at the latter place the increase was due to the exceptional zeal and tact of Mr. Inder in the disposal of the saw-mill products, etc., in the face of difficulties.

"8. It is a matter of satisfaction that the building up of the famine fodder reserves in the Thana and Panch Mahals is making steady progress.

"9. Commissioner's remarks on the Quinquennial Summary :—

The forest administration has made an onward march in all directions during the quinquennium in spite of difficulties. The conditions of the services were improved by revising their pay and prospects. A policy of constituting villages where forest interests predominated into Forest Mahals and of placing their revenue administration in the charge of forest officers was introduced. The working plans in Thana were revised. Several important roads and bridges were taken up and completed during the period. Fires increased while other offences decreased. A liberal policy of opening up forests for grazing was followed. The revenue increased by 14 per cent. and the net surplus by 17·6 per cent. over that

in the last quinquennium. This was due to higher prices fetched by Thana coupes and to the sound commercial working of the 3 saw-mills in the Dangs as against 1 in the previous period. A scheme for a famine fodder reserve of 300 lakhs pounds of grass from the Thana and Panch Mahals forests was undertaken by the department and the quantity so far stored has reached 178 lakhs pounds."

Central Circle—

Commissioner, C. D. (Mr. G. W. Hatch, I.C.S.).—

" *Forest Areas.*—There has been a reduction of 8 square miles in the Central Circle due mainly to the disforestment of land in the Satara and Poona Divisions granted for Jangi Inams and for cultivation in exchange for the area submerged in the Bhandardara Lake.

" *Demarcation.*—About 8 miles of boundaries in the Poona Division are still to be demarcated. As usual repairs have been made to existing boundaries.

" *Working Plans.*—The revised working plan of Mahableshwar has been sanctioned by Government. The work of framing a regular working plan for the unorganised forests of Nawapur and Nadurbar Ranges and part of the Pimplaner and Sakri Ranges has been taken in hand.

" *Communications.*—New work was done in connection with the construction of 1 mile on the ' Goldari-Usarpada road' (West Nasik) at a cost of Rs. 1,713. Spreading and rolling murum was also done at a cost of Rs. 1,410 on the ' Hatgad-Chipghat road ' in the East Nasik Division.

" No new construction was undertaken on the ' Dara-Mandvi ' road in the North Khandesh Division for want of funds. Repairs to the Kothar-Chanselli bridle-path were carried out.

" The Conservator of Forests, Northern Circle, observes—

' Now that the Subir-Navapur road is completed the Dangs are on the way towards having a fairly complete system of fair weather roads. The Divisional Forest Officer was now able to motor to the extent of over 1,000 miles in the season. Some of the older lines require improvement in alignment and regrading and a few more will have to be laid out to complete a system for exploitation. A stage has been reached when the metalling and bridging of the main lines must be faced. Development of timber extraction is proceeding steadily, resulting in a traffic so heavy that the roads unmetalled will no longer stand up to it and become almost impassable by dust and ruts. Other factors to be considered are the great depreciation of carts and cattle working on much worn roads, the time wasted in transportion and frequent re-loading due to carts breaking, and the labour employed every year in making up the fair weather roads. The initial cost of metalling would soon be regained by greater output and lower costs of transport. A programme of metalling has therefore been drawn up.

" The completion of the road through South Dangs from Waghai to the Nasik Frontier above Chipghat has already increased traffic, and when

this route is linked to the Nasik metalled road system at Vani by construction of the Hatgad-Vani join (now surveyed and being estimated for) there is every prospect of a good trade springing up between the Dangs and Nasik ".

Forest Offences.

A statement showing the number and nature of Forest offences in the Central Division areas is enclosed.

Number of Forest offences committed in the Cental Division during 1923-24.

District.	Injury by fire.	Unauthorized felling.	Grazing without permission.	Other offences.	Total.
East Khandesh ..	69	267	569	167	1,072
West Khandesh ..	68	199	157	179	603
North Khandesh ..	57	502	175	52	786
Poona ..	87	693	446	183	1,409
Satara ..	56	438	450	222	1,166
East Nasik ..	16	434	256	88	794
West Nasik ..	57	205	125	27	414
Total for 1923-24 ..	410	2,738	2,178	918	6,244
Total for 1922-23 ..	433	2,330	2,077	805	5,645

There is an increase of 599 in the total number of offences, or 10 per cent. over the last year's figures. The increase is mainly due to cases of unauthorised felling in the East Khandesh and West Khandesh Divisions and to unauthorised grazing in the East Khandesh Division. Greater vigilance on the part of Forest Subordinates in detecting illicit grazing is reported. Mr. Marjoribanks remarks—

" The bulk of the Forest in the open hills in the Nasik District are subjected to interminable looting by Kunbis and Thakurs whose numbers and wiry legs together make it impossible to check them efficiently. This state of things is worst in Igatpuri where fair fuel forests are reduced in the accessible places to the poorest scrub ".

Akrani Administration.

The health of the people was normal except for an outbreak of small-pox at the close of the year.

There is a great deal of force in Mr. Hodgson's remarks (in paragraph 151) regarding the concentration of authority in the Akrani. Certainly superfluous subordinates in various departments are to be avoided. But the Commissioner does not favour the idea that *all* departments, including the police, should be placed under the Forest Officer. It is undersirable that a single officer, however reliable, should be able to control all th

official departments—forests, excise and police—with which the dweller in the Akrani has to deal, and should at the same time be free from the inspection of higher officers of all departments save his own. Were the police in the Akrani to be placed under the Forest Department the District Superintendent of Police would have no occasion to visit the Akrani. The Commissioner considers that it is important that both he and the Collector should visit the Akrani at least once in the year.

An interesting item in the year's administration of the Akrani was the opening of a Bhil Students' Boarding House at Dhadgaon where meals are served free to selected Bhil and Pavri students. The Commissioner concurs in the Conservator's views that the training at this school should not be purely book-learning.

Since the transfer of the Excise administration to the Forest Department last year there has been a further increase in the sale of liquor which rose from 17,891 gallons in the previous year to 29,366 gallons in the year under report with a corresponding rise in the revenue from Rs. 26,837 to Rs. 44,049. As a result of greater vigilance and on account of a poor Mhowra crop the number of excise offences fell from 12 in the previous year to 7 in the year under report. The proposal made in paragraph 150 of the Conservator's report of investing the Sub-Inspector in charge Dhadgaon Distillery with powers of investigation is recommended.

General Remarks.

Fifty lakhs of pounds of steam-pressed grass were stored during the year in two places, *viz* :—

	lbs.
Navapur	2,480,204
Khandbara	2,519,796
	5,000,000

The following quantities were issued from Navapur Depot :—

Poona District	203,767
Satara District	592,124
Sholapur District	28 039
West Khandesh District	69,292
Total ..	893,222

There was some trouble on account of the withdrawal of forest privileges in the Satara District. These were, however, subsequently restored. The Collector of Satara remarks :—

" The agitation caused by the withdrawal of forest privileges such as the collection of wax and honey and the imposition of fees on the collection of Karvi now subsided owing to the restoration of these

privileges and the grant of an additional privilege of the collection of climbing plants for the purpose of fodder."

As noted by the Conservator, C. C., the Forest Department has been put to an unnecessary loss of Rs. 3,000 per annum owing to the orders issued in Government Resolution No. 8143 dated 25th January 1924 withdrawing the fees for Karvi cutting at Helvak. The Commissioner was opposed so the withdrawal of the fees; and is of opinion that the matter thould be reconsidered."

Central Circle—

Commissioner, S. D. (Mr. H. L. Painter, I.C.S.)—

"1. Of the Forest in the Southern Division only those in the District of Kolaba and that in the Dapoli Taluka of Ratnagiri are in the Central Forest Circle.

"2. There is again a considerable increase in the number of offences; rab burning must, as remarked by the Conservator, be responsible for a large number of forest fires.

"3. The question of resumption of Dalhi assignment raised by the Conservator in 1921-22 and referred to in the Commissioner's review last year has been decided. The Collector had proposed reduction of the Dalhi assignments where they were excessive and increase of assessment by 50 per cent., but the proposal was negatived by Mr. Mountford, who was of opinion that a policy which aimed at taking away forest land, already assigned for the simple purpose of extending the forest area deserved no sympathy and that the increase of assessment (1 to 4 as. per acre) was hardly worth imposing, inasmuch as the assignments were communal and of old standing and had a settling influence on the Katkaris and Thakurs. He, however, agreed to the proposal to resume abandoned assignments after inspection by the Prant Officer or the Collector.

"4. Proposals for the transfer of protected forests, etc., suitable for management by the Forest Department, referred to in paragraph 5 of the last year's review, are still awaited from the Collector.

"5. The Collector remarks that celebrations of "Holi" are, in a large measure, responsible for regular outbreaks of fire and suggests the suspension of free grants of wood. The withdrawal of such a longstanding concession would, in my opinion, only cause irritation among the villagers, without resulting in any appreciable saving to Government revenue."

Southern Circle—

Commissioner, S. D. (Mr. H. L. Painter, I.C.S.)—

"1. *Exploitation of timber.*—Previous year's conditions, *viz.*, slackness of demand for timber, low prices and high cost of labour for extraction, continued with the result that the arrears of work according to the prescriptions of working plans could not be cleared up. A larger quantity of timber was extracted departmentally, chiefly owing to indents of the G. I. P. Railway; but there was a large falling off in the outturn of fuel

mainly due to curtailment of the demand by the M. & S. M. Railway Company, which has begun to substitute coal for wood. There was also a decrease in the sale of major produce, but the value realised showed an improvement over last year's owing to recovery of arrears, standing sale of Gund teak, etc. The total timber extracted slightly exceeded that of last year, but there was no appreciable change in the revenue. These results involved considerable expenditure on new works started departmentally to meet the G. I. P. Railway demands and the creation of a post of special officer for the exploitation of timber in the Nagzary Valley.

"2. *Alteration in area.*—Further exchanges of area of reserved and protected forests between the Forest Department and the Revenue Department followed the carrying out of the policy outlined in the Government Press Note of 1920 on Kanara Forest matters.

"3. *Working Plans.*—A full-time Working Plan Officer was made available for the Circle and it is hoped that the arrears will be reduced. The Conservator's remark that the Circle has been heavily overstaffed with superior officers suggests the question why some of them should not be put on this work.

"4. *Forest Offences.*—Forest offences show an increase, though they are far less than the average of the past 3 years. The increase is most noticeable under 'Injury to forest by fire' and 'Unauthorized grazing' in certain divisions, and the dry nature of the season was mainly responsible for it.

"As a result of inquiries into the causes of fire offences instituted in accordance with paragraph 4 of the last year's review, certain privileges, such as use of dead fallen wood for boiling jaggery, etc., were temporarily granted in the Dharwar District. In Belgaum, however, these enquiries showed that the greater number of the offences were committed by the inhabitants of non-forest villages, who enjoy no privileges, and members of criminal tribes. This can be remedied only by greater vigilance on the part of the Forest Officers and by deterrent punishments by Magistrates.

"5. *Cattle Impoundings.*—Impoundings of cattle also show a great increase, mainly contributed by the Dharwar-Bijapur Division, and, as remarked by the Collector of Bijapur, this demands enquiry as the total impoundings are about half the entire number of cattle in the Circle. If figures of impoundings had been given separately for each District (Dharwar and Bijapur), the Collectors would have been better able to explain the causes of increase. As a result of the enquiries made in accordance with paragraph 5 of the last year's review, additional grazing facilities were given in Belgaum, Dharwar and Bijapur, while the system of reward associated with punishment for fire-protection was continued. The Collector of Kanara is of opinion that enhancement of grazing fees as a communal punishment is futile inasmuch as it is extremely difficult to judge correctly the culpability of the villagers and unjust treatment might lead the people to regard the Forest Department as a punitive agency. He is of opinion that a better method would be to keep an

accurate record of the names of helpers and to allow free grazing as a reward for assistance, as already allowed to individuals for help in fire-protection. In the Commissioner's opinion the system of rewarding and punishing villages communally for good or bad fire-protection should be continued *pari passu* with the system of rewarding and punishing individuals; it has worked well in Belgaum and there is no apparent reason why it should not do so in Kanara, C. D., where it was in force long before it was introduced by the Commissioner into Belgaum (in 1920), but the figures at page 31 show that it has already been given up in the Kanara, C. D., and the Collector is being requested to report on this.

Since the close of the year, grazing fees have been enhanced in the Dharwar District and the non-forest villages of Belgaum.

" 6. *Lantana and prickly pear.*—Owing to want of funds no special measures were taken for eradicating these.

" 7. *Regeneration.*—The method of transplantation of one year old plants was generally followed and was fairly successful. Where seedlings were not available, seed dibbling was resorted to and proved satisfactory.

Thirty-two acres were added to the Casuarina plantation in the Kanara, W. D., and the plantation at Gangawali in Kanara, C. D., covering an area of 17 acres, was cleared and abandoned in the interests of agriculture. The plantations in charge of the Revenue Department on the sea-coast of Ratnagiri are reported to be thriving.

" 8. *Fuel Depots.*—The fuel depots in Kanara continued to be worked at a loss. Two of the 15 depots have been abolished with effect from the current year and the selling prices in 2 depots were raised from 4 to 4½ annas per maund for one year (*vide* Government Resolution No. L.C. 223-D., Revenue Department, dated 11th September 1924). The Forest Officers had recommended a rate of 5 annas, but great caution is necessary in increasing selling prices to avoid illicit traffic in firewood, especially in towns in the vicinity of minor forests.

" 9. *Saw Mills.*—It is satisfactory to note that net profits rose from Rs. 12,208 to Rs. 1,03,221,* principally owing to the improvement of Sambrani Mill which received a regular and sufficient supply of materials. The only mill that worked at a loss was that at Dandeli; the suggestion made by the Conservator for the improvement of this saw mill should be given a trial, and if it still works at a loss the question of closing it may be considered.

" 10. *Privileges.*—The quantities of forest materials removed by privilege holders are estimated at an extraordinarily low figure compared with those of the previous year's, but no explanation has been given with the object of avoiding the false impression that privileges have been curtailed. Though these are only estimates, an attempt might have been made to give more accurate figures.

* The profit for 1923-24 according to the final figures is Rs. 92,327.

"11. *Financial results.*—The gross revenue shows a decrease of about 2 lakhs while expenditure has risen from Rs. 17,46,473 to Rs. 20,69,760,* *i.e.*, an increase of nearly 3 lakhs. The main decrease in the revenue is due to a fall in the demand for fuel from the M. & S. M. Railway and in the general demand for timber. The increase in expenditure is attributable to the departmental exploitation undertaken in consequence of the demand from the G. I. P. Railway for timber and other materials. This increased expenditure is really an investment on works which are likely to yield a larger revenue later on. The expenditure on establishment indicates a decrease of about Rs. 41,000 and this decrease would have been greater but for the fact that the Circle has been overstaffed with superior officers. The Chief Conservator will doubtless take the necessary steps to remedy this.

"12. *Roads and Bungalows.*—I agree with Mr. Blathwayt's view that forest roads and bungalows appear to have been neglected for want of funds, and I do not consider it good economy to withhold funds for such essential purposes.

"13. *Damage by wild animals.*—This was very considerable, as usual. The report of the Committee appointed to consider the question of protection of crops from wild animals has been published, and the various recommendations are engaging the attention of Government, whose final orders are awaited.

"14. *Kumri cultivation.*—There is nothing worth noting on the administration of the Supa Kumri tract in Kanara. In Belgaum as the grants in the previous year were made rather late in the season, villagers could not adequately avail themselves of assignments of "Hangami Kumri"; orders have been issued to continue the temporary arrangements for a year, when the matter will be finally settled.

"15. *Land Revenue administration of Forest Mahals.*—The five Forest Mahals in Kanara, N. D. and E. D., continued to be administered by the Forest Department and the Conservator testifies to the contentment of the inhabitants and their good relations with the F. D. The revenue administration of two Mahals in Belgaum was retransferred to the R. D. with effect from 1st February 1924 as their retention by the F. D. was considered to be of doubtful advantage.

"16. *General remarks.*—In Kanara almost all the concessions announced by Government in their Press Note of 1920 were given effect to, and agitation has considerably subsided, as anticipated. There were, however, sporadic newspaper complaints regarding the Betta Rules in the above-ghat Talukas, but these were found, on investigation, to be groundless. The minor forests on the coast have been put under the Collector's control, the village registers were rewritten, and the new concessions made widely known. The work of the Southern Circle has, despite not a few adverse circumstances, undoubtedly maintained the high standard of several years past."

* The final figure is Rs. 20,69,370.

CHAPTER IX.

QUINQUENNIAL REVIEW.

INTRODUCTION.

Under the Resolution of the Government of India, Department of Revenue and Agriculture (Forests), No. 1500-72, dated 9th December 1920, the forest year was made to coincide with the financial. For purposes of comparison the full twelve months' figures were taken in the report of the year 1920-21 which covered 9 months only. The same figures are now adopted for the purposes of comparison in this chapter.

The following is the summary of the progress made in the Forest Administration in the Bombay Presidency, including Sind, during the five years 1919-20 to 1923-24.

1.—ORGANIZATION.

There were considerable changes in the cadre and in the pay of the Imperial. Provincial, Protective, Clerical and Menial Services on account of the reorganization sanctioned during the period.

Imperial Service.

The cadre stood at 28 at the beginning and stands at 43 at the end of the period.

The revision of pay of the Imperial Forest Officers was sanctioned in 1919-20, *vide* G. R., R. D., Nos. 2217, dated 23rd July 1920 and G. O., F. D., .22 of 12th January 1921.

The Chief Conservator's pay was raised from Rs. 2,150 to Rs. 2,500—125—2,750.

Conservators' pay was raised from Rs. 1,500, 1,700 and 1,900 to Rs. 1,750—100—2,150.

Deputy and Assistant Conservators' pay was raised to Rs. 325—50—725—Efficiency bar—800—50—1,350, *plus* overseas pay for men of European domicile only, Rs. 150 during first 9 years, Rs. 200 during the 10th, 11th and 12th years and Rs. 250 during subsequent service, in these grades.

The post of Deputy Conservator of Forests in charge Sind Circle was converted into that of a Conservator from 1st January 1922, *vide* G. R., R. D., No. 21-A.D. dated 11th October 1922, and Notification No. A-21-D., dated 10th October 1922.

The post of Conservator of Forests, Utilization Circle, created during the period is held in abeyance as a retrenchment measure after having been filled for some time.

The small beginning made towards the close of the previous quinquennium in utilising the services of an Engineer to advise on and carry out engineering works has developed into the creation of a regular Engineering Branch under Mr. Pipe, Superintending Engineer, Forest

Department, on deputation from the Public Works Department, assisted by two Forest Engineers, appointed by the Secretary of State to the newly created Service of Indian Forest Engineers. A full report of the work of this Branch will be found elsewhere.

Provincial Service.

Extra Assistant Conservators' pay was fixed at Rs. 250—20—550-Efficiency bar-570—20—750, *vide* G.R., R.D., No. 2217, dated 23rd July 1920.

Five posts of Extra Deputy Conservators were included in the Imperial Forest Service for promotion of Provincial Service Officers to that Service.

In 1922-23 two advance increments of Rs. 20 each were sanctioned for all Extra Assistant Conservators with retrospective effect from 27th July 1919 in view of the fact that in the revision of their scale of pay they got no increase in their emoluments. This increase was to be absorbed in the future regular increments. The pay of probationers has been raised to Rs. 250 and the probationary period reduced to one year and allowed to count towards increments of pay, *vide* G. R., R. D., No. 524. A.D. of 24th November 1922.

The sanctioned cadre which originally stood at 32 now stands at 27.

Protective Service.

Revised scale of pay was sanctioned in 1920-21, *vide* G.R., R.D., Nos. 653 of 15th November 1920, 37 of 18th January 1921, 272 of 14th April 1921 and 1851 of 19th July 1921.

Clerical Service.

Revised scale of pay was sanctioned in 1920-21, *vide* G.R., R.D., No. A-372 dated 6th December 1921.

Menial Service.

The pay of menials was revised during the period, *vide* G.R., R.D., No. 5818, dated 12th September 1922.

Allowances.

Revision of permanent travelling allowance of the superior and subordinates services was sanctioned in 1922-23, *vide* G.R., R.D., No. 2408, dated 21st November 1922.

The rates of daily allowances of officers of all classes were revised in 1922-23, *vide* G.R., F.D., No. 1139, dated 3rd February 1923.

The strength of the Executive and Protective Forest Service at the beginning and close of the quinquennium stood as follows :—

	No. of Rangers on pay Rs.						No. of Foresters on pay Rs.						No. of Guards on pay Rs.			
	150	125	100	80	60	50	40	35	30	25	20	15	12	10	9	8
At beginning	10	16	23	36	42	39	20	34	58	100	85	63		729	1656	316
	166						360						3,144			

	No. of Rangers on pay Rs.				No. of Foresters on pay Rs.			No. of Guards on pay Rs.	
	200	175	150	80—5—125	60	50	30—1—40	25	15—½—20
At close	11	16	24	116	22	113	335	449	2,458
	167				470			2,907	

Owing to financial stringency and the increased cost of establishment due to the revisions, the expenditure on establishments was retrenched under the orders of Government as far as possible by abolishing almost all the temporary establishment of Foresters, Guards, Clerks and Peons and also by carrying out considerable reductions in the subordinate permanent establishment, which resulted in a considerable saving in the recurring expenditure of the Department.

The territorial changes effected were :

Seven villages of the Western Baragaon Dangs of West Nasik were transferred for management to Surat Division being more accessible from Dangs than from Nasik.

For the better and more economical administration of the Peint Taluka and forests, the Divisional Forest Officer, West Nasik, has been appointed *ex-officio* Assistant Collector of Peint. The Excise administration in Peint in Nasik and in Akrani in West Khandesh has been given in charge of the Forest Department and this change has proved economical and efficient.

The old East and North Nasik Divisions were amalgamated into the present East Nasik Division whereby a considerable saving has been effected without loss of efficiency.

At the close of the year 1919-20 a new Division called the School Division was created and the Principal of the newly created Forest College at Dharwar was put in charge of it. This Division consisted of the Nagargali High Forest Block XIX of Belgaum District and 17 Pole Blocks of the Dharwar and the Kalghatgi Working Plan Area and was principally intended to serve as a demonstration area for the training of the students of the said Forest College. But as financial consideration did not permit of the continuance of the Forest College at Dharwar, this Division was abolished at the close of the year 1921-22 by re-distribution of the area among Belgaum, Dharwar-Bijapur and Kanara Eastern Divisions.

Proposals for the re-distribution of the three existing Forest Divisions of Kanara, C. D., E. D. and S. D., into two and for the constitution and working of a new Minor Forest Division in Kanara were sanctioned by Government at the close of the year 1923-24 and were given effect to from the commencement of the year 1924-25.

The North Khandesh, Poona and Satara Divisions were made minor and the Hyderabad Division and the posts of Assistants to the Divisional Forest Officers, Kanara, N. D. and Kanara, E. D., were made major charges in G.R., R.D., No. 7552, dated 4th October 1923.

2.—Changes in Area.

The areas of forests at the beginning and close of the quinquennium were as follows:—

	In charge of the Forest Department.		In charge of the Revenue Department.		Total.
	Reserved.	Protected.	Reserved.	Protected.	
	Sq. m.	Sq. m.	Sq. m.	Sq. m.	Sq. m.
At beginning ..	12,100·4	487·4	1,834·2	548·9	14,970·9
At close ..	11,969·1	516·0	1,829·0	655·8	14,969·9
Difference ..	— 131·3	28·6	— 5·2	— 106·9	— 1·0

In spite of the small net decrease in the forest area considerable changes took place due chiefly to (*a*) conversion of reserved and protected forests into Betta lands and transfer of the same to the control of the Revenue Department in Kanara, (*b*) afforestments and disforestments in favour of cultivation, (*c*) rectification of mistakes in the area shown in the Forest Register, (*d*) to award of kachas added to forests in Sind and to (*e*) transfers of area between the Revenue Department and Forest Department.

3.—Forest Settlements.

The area finally settled at the beginning of the period under review was 12,588 square miles under the Forest and 2,383 square miles under the Revenue Department total 14,971 square miles and at the close was 12,485 square miles and 2,485 square miles respectively for the Presidency.

This is contributed by the different circles as shown below :—.

	In charge of the Forest Department. (Sq. miles.)	In charge of Revenue Department. (Sq. miles.)
Northern Circle	3,346	488
Central Circle	3,761	1,620
Southern Circle	4,214	377
Sind Circle	1,164	....
Total ..	12,485	2,485

In the Northern Circle steps were in progress for the disforestment of several thousand acres of land in Panch Mahals given out by the Forest Department for cultivation. Proposals are still being considered by the Forest and Revenue Departments for afforesting certain traverse numbers in Dohad and Jhalod talukas.

The final notifications in the resettlement of the Mandvi forests of Surat made as long ago as 1908-09 are still pending but are expected to be issued before the end of 1924-25.

The field work for re-settlement of the Thana Gurcharans (Protected Forest) was done by Mr. E. W. Perry, I.C.S., in the seasons 1922-23 and 1923-24 and his report on the first season's work is still with Government.

Revision of the Protected Forest (rabi Nos.) in Peint is still in progress.

In the Central Circle attempts to afforest certain lands lying within the forest demarcation areas in the Poona and Satara Divisions failed and have been dropped, owing largely to the excessive compensation claimed.

In the Southern Circle a Forest Settlement Officer was appointed for the Kanara District for revising the existing old settlements where necessary as they were out of date. He revised the settlements accordingly in almost all the Divisions of Kanara and submitted proposals to Government regarding the conversion into Minor Forest of certain Reserved Forests in the coastal tract of Kanara. These proposals for the extension of Minor Forests and grouping of villages for the exercise of forest privileges in Ankola, Kumta, Honawar and Bhatkal were sanctioned by Government in 1922-23.

The resettlement of Karwar Taluka involving the grant of additional privileges to agriculturists was sanctioned by Government in 1922-23. The revision of the Forest Settlement of the Haliyal and Sambrani Ranges which was carried out by Mr. Collins to settle the question of forest privileges was likewise sanctioned by Government towards the middle of 1923-24.

4.—Demarcation.

The total length of artificially marked boundaries in the Presidency at the close of 1923-24 was 39,771 running miles as compared with 38,881 miles at the commencement of the quinquennium as shown below :—

	On 1st July 1919. (Linear miles.)	On 31st March 1924. (Linear miles.)
Northern Circle	8,334	8,432
Central Circle	12,910	13,377
Southern Circle	15,607	15,851
Sind Circle	2,030	2,111
Total ..	38,881	39,771

The increase is attributable to afforestments and disforestments. In the Southern Circle 15 miles of the Goa Frontier 19 miles of the Savantwadi

State Frontier and 45 miles of boundary between Government and Inam forests were cut and cleared.

5.—Surveys.

No work was done by the Forest Topographical Survey during the five years. The areas surveyed have all been mapped and all maps have been published.

5.—Working Plans.

In all 9 revised plans were sanctioned during the period in the Presidency as shown below :—

	Original.	Revised.
Northern Circle		1
Central Circle		3
Southern Circle		4
Sind Circle		1
Total ..		9

The areas under sanctioned working plans at the beginning and close of the quinquennium were :—

	At beginning. (Sq. miles.)	At close. (Sq. miles.)
Northern Circle	2,780	2,777
Central Circle	2,296	2,320
Southern Circle	1,686	1,746
Sind Circle	1,079	1,029
Total ..	7,841	7,872

The state of things at the close of the period is that out of the total forest area under the Forest Department of 12,485 square miles for the Presidency as a whole :—

(*a*) sanctioned plans exist for 7,872 square miles, *i.e.*, 63 per cent.
  (*i*) of these, revision is in progress for 648 square miles ;
  (*ii*) and revision is required for 1,257 square miles ;
(*b*) new plans are in course of preparation for 920 square miles ;
(*c*) plans have still to be taken in hand for 1,102, square miles ;
(*d*) and no plans are considered to be necessary at present for 2,591 square miles.

The shortage of officers continued for the major part of the period under review and it was only during the last two years that regular Working Plans Officers could be appointed but no speedy progress can be looked for in this important work unless closely supervised by an experienced senior officer.

7.—Communications and Buildings.

The expenditure on (1) Communications, (2) Buildings and (3) Wells and other works for the Presidency amounted to Rs. 23,42,094 (Rs. 19,11,968 from " 8-Forest " and Rs. 4,30,126 from " 52-A Forest Capital Outlay ")

during the period under review as against Rs. 14,26,100 during the previous five years, an increase of Rs. 9,15,994. By sub-heads these amounts were :—

	New works.		Repairs.		Total.	
	1919-20 to 1923-24	1914-15 to 1918-19	1919-20 to 1923-24	1914-15 to 1918-19	1919-20 to 1923-24	1914-15 to 1918-19
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Communications—						
8 Forest ..	6,00,111	5,71,268	5,37,268	3,67,581	11,38,012	9,38,849
52-A ..	3,76,266	..	..	..	3,76,266	..
Buildings—						
8 Forest ..	4,90,037	2,99,423	1,86,170	1,05,051	6,76,207	4,04,474
52-A ..	52,993	..	..	..	52,993	..
Other works—						
8 Forest ..	44,463	51,762	53,286	31,015	97,749	82,777
52-A ..	867	..	..	..	867	..
Total { 8 Forest.	11,34,611	9,22,453	7,77,357	5,03,647	19,11,968	14,26,100
Total { 52-A ..	4,30,126	..	..	..	4,30,126	..

As the figures show considerably more progress was made in the construction of remunerative roads, in the adequate housing of the staff and in providing the latter with wells wherever necessary. It is, however, to be noted that the average rates of labour and material are higher during the period under report. Development was and is still being pushed on chiefly in the Dangs, Peint and Kanara, and has been aided not a little by the formation of the Engineering Branch, report of which is set out below at some length so as to give an adequate idea of its activities.

The Forest Engineering Branch was started towards the close of the previous quinquennium. The first work carried out was in connection with the improvement of the Kaneri and Kalinadi rivers for the floating of logs. The work consisted of a survey, estimate and investigation and also a certain amount of actual construction work in the Kaneri river. The main channel was cleared, obstructions blasted out and semi-permanent weirs constructed. As the result of this work over 800 logs, otherwise unextractable, were floated down to the Kalinadi.

Communications and Roads.

The necessity for new forest roads and improvements to existing roads and tracks in Kanara had been felt for some years and the early efforts of the Forest Engineering Branch were directed mainly in this direction. Work was confined at first to the Southern Circle and Kanara in particular.

The work consisted of alignment of new roads, remodelling, improvements and drainage of existing roads. Later on the scope of the work was extended to the Northern Circle including the Surat Dangs, North and East Thana, East and West Nasik Divisions. Forest roads usually lie in difficult country requiring considerable skill in road alignment.

Originally the Engineering staff was very small and to cope with the demands on it, it was impossible to prepare detail estimates for all the roads dealt with. The establishment was increased and now all estimates are prepared in full detail as required by Government.

To facilitate this, in fact to make it possible with a small staff, all work and designs have been standardised. For road drainage works a complete set of type designs and estimates ranging from drains of $1\frac{1}{2}' \times 1\frac{1}{2}'$ to bridges of $20' \times 24'$ has been prepared. These have been printed and are now in the hands of all Divisional and Range Forest Officers. These have enormously reduced the work of the Engineering Branch and constitute a valuable asset to the Forest Department. For estimation purposes special methods of survey have been evolved. Standard cross-sections of three classes of forest roads covering all possible kinds of country have been prepared and for these complete earthwork tables have been calculated and drawn up. This reduces the labour of estimating enormously and facilitates work with a small establishment.

Besides ordinary road works, surveys, etc., for sepcial works, such as causeways have been carried out. One large causeway over the Kalinadi at Bomanhalli has been designed and constructed. This was undertaken with the possible extension of the Alnavar-Dandeli Railway in view.

It is not necessary to give a list of all the roads aligned and considered. Suffice to say that during the period under review upwards of 230 miles of forest roads have been dealt with.

The extension of road communication is and is bound to be the main line by which forest development can advance. It is obviously very difficult to show immediate profits from such works and it must be borne in mind that a road found to be necessary, provided its alignment and construction be done on correct lines, is a permanent asset to Government and the people. There are cases, however, where immediate results are received. One case is that of the Subir-Navapur road an exit line from the Dangs. After this road was opened to traffic there was actual saving in freight reckoned at over Rs. 11,000 in the first year.

Railways and Tramways.

For the exploitation of valuable fuel areas and for the transport of logs from one part of the North Kanara jungles, a light 2 feet gauge railway from Dandeli to Potoli was surveyed. The project was got out in detail and work commenced. This railway relied for most of its traffic on fuel for the M. & S. M. Railway. As this Railway unexpectedly reduced its

demands and notified its intention to stop taking fuel from 1924-1925, the Dandeli-Potoli scheme had to be abandoned.

In the Northern Circle a scheme for the exploitation of the Kot jungles was investigated. A yield test for the area however indicated that a light railway was scarcely justifiable. Other forms of transport are under investigation. In all during the quinquennium upwards of 40 miles of light railway and tramway have been aligned, located and estimated for.

Ropeways.

Another project which has been investigated is that of a ropeway for the transport of charcoal to Mahableshwar from the jungles in the valleys below. This scheme proved to be financially not advisable.

Buildings.

The demands on the Forest Engineering Branch for designs and estimates for buildings have steadily increased. At the present time this Branch supplies complete plans and estimates for all building projects. To facilitate this, otherwise impossible with a small establishment, Forest Departmental buildings have been standardised. The series covers a range of bungalows, out-houses, dharmshalas, offices, quarters for Range Forest Officers, Foresters and Guards. Three types of construction have been considered in order to cover all possible demands of this Presidency, *viz.*, (1) rubble and lime, (2) laterite and lime, (3) burnt brick and lime. This series comprises about 100 separate sets of plans and estimates. These have been prepared on complete lines so that by their means, not only is the work of the Engineering Branch reduced enormously but Forest Officers are relieved entirely of the responsibility of designing, calculating and estimating. Assuming the types of building to be suitable, the value of such a set of type, plans and estimates cannot be over-estimated, representing as they do a great saving of time and work not merely at present, but in the future. There are, of course, special buildings which do not come within the scope of standardisation. These have been designed and dealt with as occasion has demanded.

Special reference is also made to the development of the Forest Depot at Dandeli. A few years ago the area occupied by this depot was virgin jungle with not a single permanent building. It now consists of a very large area of clearing supplied with a system of roads and pucca buildings to house the depot and saw mill staff. A permanent Criminal Tribes Settlement has been established, which supplies much of the labour employed in the saw mill and depot. It is the terminus of the Alnavar-Dandeli Railway.

Apart from residential quarters for the establishment, offices, etc., the Dandeli Depot is supplied with a water-supply to the saw mill, all buildings and the railway locomotive water tanks. The saw mill is now supplied with four large seasoning sheds of about 1,000 tons capacity. The design and construction of buildings and water supply, alignment of roads, etc., have been carried out entirely by the Engineering Branch.

Probably no forest depôt in India has the amenities that exist at Dandeli. Shops constructed on permanent lines have sprung up and are being encouraged. The convenience of the establishment at Dandeli will be further enhanced by the opening of the Alnawar-Dandeli Railway to passenger traffic, which was accomplished since the close of the period under review.

Transport.

The question of roads and railways has been dealt with above. The shortage of bullock carts in certain localities pointed to the necessity of introducing mechanical traction, if possible. A very careful start has been made by the purchase of a Foden Steam Tractor and 8-ton Dyson Trailer. This outfit has worked now for the greater part of one working season. Accurate accounts have been kept and despite somewhat irregular working on account of want of work and delays occasioned by boiler inspections, the experiment has proved to be a financial success.

Taking all expenses into consideration including interest on capital outlay and depreciation, the working costs produce rates much lower than bullock cart transport. Furthermore, the fear of damage to roads by this outfit with its low road speed and rubber tyres has been shown to be ungrounded. There is no doubt that the use of similar mechanical transport units can be made a financial success provided the means for efficient supervision be supplied. The results obtained from this experimental working are of value not only to this Presidency but to other provinces of India, also interested in the problem of road transport for forest produce.

Extraction.

Extraction work is a most important and essential branch of forest exploitation. Up to quite recently, buffaloes and elephants were the only source of power for this work. The problem has been studied and information obtained from all possible sources. A Fordson Tractor with a special skidding winch attachment was purchased, together with suitable tackle from America. The selection of the plant and the cost involved have proved to be fully justified and the results have been an entire success. The plant worked throughout the last fair season without any mishap or delay. The cost of working is less than has previously been obtained by animal power and its capacity is, of course, far greater. No logs have proved to be too difficult for extraction by this outfit. It has a range of 900′ to 1,000′ and will negotiate any slope however steep. It can haul on an average 10 logs per day from distances up to 900 feet and at an average inclusive rate of Rs. 1-8-0 per khandi or Rs. 6 per ton.

Improvements in animal power extraction have been started by the introduction of bullock winches. A Horse-Power Winch of American design was selected. Experiments show that this type of plant may prove very economical. Certain modifications in design, about which the manufacturers are being addressed, should make this type of plant very suitable for use by contractors or for departmental work.

Saw Mills.

There are seven Government saw mills, four in the Southern and three in the Northern Circles. The Engineering Branch took over charge of the running of the mechanical side of these mills some two years ago. Attention was given to the improvement of the lay-outs, care of engines, machines and saws. The supply of mill stores is being standardised in order to effect economy and better working. One new saw mill of special design and embodying several new features has been erected in the Dangs and is proving to be a great success. An old saw mill was purchased from the Public Works Department, renovated and erected in Peint, Nasik District. Both these mills are producing satisfactory outturns. The outturn and standard of sawing in most of the mills have improved considerably during the last few years.

Future work of the Engineering Branch.

The chief aim of the Forest Engineering Branch is to aid in furthering the devolopment of the Department with a view to increase the revenue. Its future work in general is outlined below :—

Communications.

All important alignments, surveys and estimates are being done by the Engineering Branch.

Special construction works will also be done by this Branch while straight-forward works such as earth works and simple bridges will be carried out by the Forest Department. Such works will be supervised and all necessary information and data supplied by the Engineering Branch. Works requiring technical knowledge or presenting particular engineering difficulties will be dealt with by the Engineering Branch, *e.g.*, causeways, important bridges, tramways, machinery, etc.

The work will be of two kinds, *viz.*, that connected with general requirements and that connected with definite concentrated schemes, of which several are in view.

Transport.

Mechanical transport will be developed very cautiously as it is a problem possessing peculiar difficulties under forest conditions in this country. No expenditure will be made without full preliminary investigations and if possible advice from suitable sources.

To gain further experience of the possibilities of mechanical transport the Superintending Engineer has been able to arrange for a trial of three months' duration under forest working conditions of a Super-Sentinel Tractor and Trailer. This test should be most instructive.

Extraction.

The foregoing remarks on mechanical transport apply equally to the problem of mechanical extraction. The plant selected will be of the

simplest and most reliable type procurable. This is essential and it is impossible to anticipate for forest conditions of this Presidency the working of heavy and complicated machinery of the type and on the lines of the schemes being worked in America. The conditions of the country, labour, etc., are entirely different. This has been realised from the first and the steps taken so far have been modest and have proved successful.

Buildings.

The Forest Department proper has already been relieved entirely of all designing and estimating work and will be provided with all necessary plans and information.

Saw Mills.

In connection with these the policy must be systematic organization and their success will depend mainly on this factor, provided that adequate staff be provided.

General.

The Engineering establishment will be kept at the minimum allowing for contingencies such as sickness and leave. The work and the methods necessitated are not ordinary. A select and specially trained staff are necessary.

The Engineering Branch will be ready to carry out all preliminary technical work, issue instructions, guide and give assistance in connection with work carried out by the Forest Department. In addition, it will have its own particular works which it will carry out independently. Certain permanent subordinate posts are essential to obviate the difficulty of employing temporary men. The pay of such posts should be fixed bearing in mind the conditions under which the Engineering establishment works, which are by no means ordinary and present many difficulties. So far the Engineering Branch has been able, not only to keep pace with current demands, but to carry out an enormous amount of spade work, all of which will be of continual advantage and profit in the future, representing considerable savings to Government. This is a point frequently not fully appreciated.

The recently sanctioned post of Superintending Engineer is essential for co-ordination and advance, one of his chief duties being to keep in touch with the development of this branch of Engineering in India and abroad. Besides the general administration work, he has a definite executive charge consisting of two survey parties. The Drawing Office is entirely in his charge and he is responsible for all designing and estimating work.

Besides the Presidency charge, there are two Divisions, *viz.*, Northern and Southern, under the charge of Forest Engineers and having their headquarters at Nasik and Dharwar respectively.

Regarding the actual programme of future work, the main projects or concentrated schemes in view are :—

(1) Exploitation of the Nagzhari valley in North Kanara;
(2) Exploitation of the Central Dangs;
(3) Opening up of the Peint forests by roads.

8.—Forest Offences.

The average annual number of forest offences reported during the period under review compares with that in the preceding five years as follows :—

Description.	Northern Circle.		Central Circle.		Southern Circle.		Sind Circle.		Total.		Difference.
	Present quinquennium.	Previous quinquennium.	Present quinquennium.	Previous quinquennium.	Present quinquennium.	Previous quinquennium.	Present quinquennium.	Previous quinquennium.	Present quinquennium.	Previous quinquennium.	
Injury to forests by fire ..	532	375	573	395	839	1,045	157	131	2,101	1,946	+ 155
Unauthorised felling ..	2,200	2,774	2,747	3,275	1,450	2,654	1,388	1,644	7,785	10,437	−2,652
Unauthorised grazing ..	2,129	2,483	2,266	2,769	1,057	1,447	1,300	1,999	6,752	8,698	−1,946
Miscellaneous ..	283	276	883	670	158	249	42	40	1,366	1,235	+ 131
Total ..	5,144	5,908	6,469	7,109	3,504	5,395	2,887	3,814	18,004	22,226	−4,222

There was a decrease of 4,222 offences on the whole which is shared by all Circles. It occurs mainly under 'Felling' and 'Grazing', possibly as a result of extended privileges, as in Kanara, of special forest areas thrown open to sheep and goat grazing and possibly also as a result of more efficient work on the part of subordinates.

9.—Fire protection.

The average area under systematic fire protection and the average of failure during the two quinquennial periods compare as shown below:—

Circle.	Average area in square miles.					
	1919-20 to 1923-24.			1914-15 to 1918-19.		
	Attempted to be protected.	Failures.	Percentage of success.	Attempted to be protected.	Failures.	Percentage of success.
	Sq. m.	Sq. m.	Sq. m.	Sq. m.	Sq. m.	Sq. m.
Northern ..	3,275	98	97·0	3,254	54·7	98·3
Central ..	2,680	209	92·2	3,524	223·7	93·6
Southern ..	4,227	293	93·1	3,654	254·2	93·1
Sind ..	624	5	99·2	976	7·4	99·2
Total ..	10,806	605	94·4	11,408	540	95·3

The decrease in the area attempted to be fire-protected is due to the exclusion of large areas immune from fire for which no special measures against fire are necessary. The question of improving fire protection in the Central Circle is under consideration.

10.—Protection from Cattle.

The average areas annually open and closed to grazing during the two periods were as follows:—

	Average area in square miles.					Percentage.
	Open to all animals.	Percentage.	Open to all animals except browsers.	Percentage.	Closed to all animals.	
Present quinquennium.	3,284	22·0	8,953	59·8	2,728	18·2
Previous quinquennium ..	3,526	23·5	8,881	59·2	2,595	17 3
Difference ..	— 242		+ 72		+ 133.	

The increase in the percentage of area closed to all animals is due chiefly to the progress in Working Plans but due provision of grazing is made in all Plans.

The average number of all animals admitted to graze in the forest decreased from 2,451,691 in the previous quinquennium to

2,356,009 in the period under review. By Circles these figures were :—

	1914-1919.	1919-1924.
Northern Circle	911,294	777,487
Central Circle	920,774	932,650
Southern Circle	457,167	526,943
Sind	162,456	118,929
Total ..	2,451,691	2,356,009

The increase in the Central Circle is due to more areas being opened to grazing and in the Southern Circle to opening of areas to meet the fodder scarcity in 1920-21 and to special provision being made for sheep and goat browsing. In Sind the decrease is attributed to the more rigorous exclusion of browsers from forests in excess of the numbers for which browsing is available.

11.—Yield and Outturn.

The average annual outturn of the forest for the two periods was as follows :—

(*i*) *By Government Agency and purchasers.*

Circle.	Timber and fuel. Cft. in thousands.		Bamboos Value Rs.	
	Average 1914-19.	Average 1919-24.	Average 1914-19.	Average 1919-24.
Northern ..	7,666	7,542	38,463	43,208
Central ..	4,133	4,775	11,520	11,641
Southern ..	12,872	11,205	77,893	62,309
Sind ..	18,047	18,614	....	....
Total ..	42,718	42,136	1,27,876	1,17,158

Circle.	Sandalwood Value Rs.		Minor produce Value Rs.	
	Average 1914-19.	Average 1919-24.	Average 1914-19.	Average 1919-24.
Northern ..	....	213	1,58,821	1,63,978
Central ..	....	1,618	3,43,605	4,44,719
Southern ..	46,182	64,656	1,27,242	1,20,098
Sind ..	....	....	79,545	80,896
Total ..	46,182	66,487	7,09,213	8,09,691

The figures for timber and fuel would have been higher but for the general trade depression. The increase under Bamboos in the Northern

Circle and minor produce throughout the Presidency is due to a greater demand following on the opening up of communications. The increase under Sandalwood is due to the extraction and sale of a greater quantity of dead and dying sandal trees.

(ii) Free grantees.

Circle.	Timber and Fuel. Cft. in thousands.		Bamboos Value Rs.		Minor produce Value Rs.	
	Average 1914-19.	Average 1919-24.	Average 1914-19.	Average 1919-24.	Average 1914-19.	Average 1919-24.
Northern ..	18	13	163	100	176	638
Central ..	29	22	65	330	3,273	629
Southern ..	70	84	521	614	8,234	25,260
Sind ..	7	11	..	..	4,895	6,944
Total ..	124	130	749	1,044	16,578	33,471

These grants vary according to circumstances as the majority of them are made for repairs to houses and re-building them in case of destruction by flood or fire.

(iii) By Concessionists.

Circle.	Timber and Fuel. Cft. in thousands.		Bamboos Value Rs.		Minor produce Value Rs.	
	Average 1914-19.	Average 1919-24.	Average 1914-19.	Average 1919-24.	Average 1914-19.	Average 1919-24.
Northern ..	8,130	6,158	9,621	12,385	3,96,370	2,97,349
Central ..	624	622	8	10	34,643	24,740
Southern ..	3,342	2,775	15,000	18,260	4,80,387	4,08,358
Sind ..	20	41	..	..	4,246	2,618
Total ..	12,116	9,536	24,629	30,655	9,16,246	7,33,065

These are estimated values of the material removed under concessions granted under settlements, etc.

12.—Financial Results.

The average annual financial results for the two quinquennial periods compare as follows :—

Circle.	Revenue.		Expenditure.		Surplus.		Difference.
	1914-19. Rs.	1919-24. Rs.	1914-19. Rs.	1919-24. Rs.	1914-19. Rs.	1919-24. Rs.	Rs.
Northern ..	21,70,720	24,76,462	7,86,401	10,48,176	13,84,319	14,28,286	+ 63,967
Central ..	9,05,810	11,17,115	5,47,582	7,09,400	3,58,228	4,07,715	+ 49,487
Southern ..	23,37,900	26,81,230	15,85,451	20,73,584	7,52,449	6,07,646	—1,44,803
Sind ..	5,67,760	6,95,415	3,20,239	3,53,361	3,37,521	3,42,054	+ 4,533
General Direction, Utilization Circle, Bombay Forest College and Forest Engineering branch ..	2	1,517	11,129	1,74,102	— 11,127	— 1,72,585	—1,61,458
Total ..	59,82,192	69,71,739	31,60,802	43,58,623	28,21,390	26,13,116	— 2,08,274

The average gross revenue and expenditure show an increase of 16·5 per cent. and 37·9 per cent. respectively and the average surplus a decrease of 7·4 per cent. The percentage of the average surplus on the average gross revenue works out at 37·5.

The increase in revenue is due to the revision of the Thana Working Plan, the intensive regeneration system introduced in Surat and Peint, the revision of the grazing fees, larger supplies of timber and fuel departmentally carried out, to rise in prices, to improvements in communications and other operations for development.

The increase in expenditure is largely due to the revision of pay of all services, to the construction of roads and buildings, to increased departmental operations, to great rise in rates of labour and material and to a large amount of money spent on developing the forests.

The decrease in the surplus is misleading. The decrease is due to not only an increase in the working expenditure but also to an increase in the capital expenditure from revenue. This latter undoubtedly increases the value of the forest property and will result in greater returns in future. The slump in trade which immediately followed the short-lived post-war boom has clean swept out of existence many a concern but the Forest Department in Bombay has shown a handsome surplus all through which not all Provinces could show. With all this the management is more scientific than ever it was.

13.—Forest Eduction.

As foreshadowed in the last report a Forest College was opened at Dharwar in 1920-21 for training Rangers, but on account of financial stringency the College was abolished in 1922-23. In all 21 students

[redacted]raining and passed in the Final Examination. Students were to Dehra Dun and to Coimbatore during the period under review. [redacted]6 students went through the course, 6 coming out with Honours, [redacted] with Lower Standard Certificates. A vernacular Forest Class [redacted] training Foresters and Round Guards from the Northern and Central Circles was started in 1922 in the former circle, the course being of 6 months' duration and consisting mainly of practical training in the field. A similar class was opened in the Southern Circle for the year 1922-23. An arboriculture class was held for 6 weeks every year under the supervision of the Divisional Forest Officer, Hyderabad.

14.—Research and Experiments.

The efforts in this direction were chiefly as follows :—

Pig proof fencing.—Experiments were carried out in Kanara N. D. and E. D. in the erection of pig proof fences from waste material from the saw mills. Pigs were kept out, but elephants walked through the fences and did much damage to the crops inside.

Experiments were made in Kanara E. D. and C. D. in cutting back flowering Karvi (Strobilanthes) with a view to prevent its seeding and propagation. The experiments were successful and it was found best to cut the Karvi back late in the season just before the seeds form ; if cut too early it sends out fresh flowering shoots.

Taungya cultivation.—This was tried departmentally in Kanara N. D. and E. D. but proved an expensive failure. It was found better to grow the teak without any field crop.

In Dharwar-Bijapur Division an application of Atlas solution killed the lantana plants treated, but regeneration from latent seed immediately succeeded.

Sandal seed (Santalum album) was sown in nurseries in Sukkur Division but the experiment failed as the hot climate of Upper Sind was too much for it.

Caesalpinia brevifolia seed sent by the Chief Conservator of Forests Bombay Presidency, was tried in Zarkhol Plantation (Shikarpur Division but was a failure, no germination resulting.

Populus euphratica (Bahan).—Under instructions from the Director of Industries, Bombay, a few logs were supplied to the Gujarat Islam Match Manufacturing Company for experiment in Match making, but when actually put to test the wood was reported by the Company to be unsuitable on account of red colour, excessive weight, crooked grain and large percentage of heartwood.

Tarwad.—Tarwad has shown itself to be entirely unadapted to the climatic conditions of Upper Sind.

Lac propagation.—In Karachi Division the hot weather infection unfortunately failed in 1923 but the latest method of tying brood lac

baskets at the base of pollard shoots has proved more succe[redacted] to March 1924, the results were reported to be very good.

In Hyderabad Division it has been found that pruning of th[redacted] trees must be done at latest in November for Babul. and February Ber for the hot weather infection.

Within recent years several investigations were instituted in forest utilization. Chapter VI gives a summary of the most important among them.

15.—Administration and Control.

The post of Chief Conservator of Forests was held by Mr. T. R. D. Bell till 1st February 1920, when he was succeeded by Mr. W. E. Copleston. The post was also held by Mr. D. A. Thomson from 29th August to 10th October 1920 and from 26th March to 17th May 1922, by Mr. E. M. Hodgson from 18th to 23rd May 1922 and by Mr. A. G. Edie from 24th May 1922 to 21st November 1922 during the absence of Mr. Copleston.

The several Conservatorships were held as follows :—

Northern Circle.

Mr.	W. F. D. Fisher	from	1st	July 1919	to 5th	Feb. 1920
,,	E. M. Hodgson	,,	6th	Feb. 1920	to 28th	Feb. 1920
,,	C. E. L. Gilbert	,,	29th	Feb. 1920	to 13th	May 1920
,,	D. A. Thomson	,,	14th	May 1920	to 31st	May 1920
,,	G. E. Marjoribanks	,,	1st	June 1920	to 14th	Apr. 1922
,,	J. D. Maitland Kirwan	,,	15th	Apr. 1922	to 14th	Oct. 1922
,,	G. E. Marjoribanks	,,	15th	Oct. 1922	to 31st	Mar. 1924

Central Circle.

Mr.	J. Dodgson	from	1st	July 1919	to 15th	Oct. 1920
,,	D. A. Thomson	,,	16th	Oct. 1920	to 2nd	Feb. 1921
,,	E. M. Hodgson	,,	3rd	Feb. 1921	to 21st	Mar. 1923
,,	C. E. L. Gilbert	,,	22nd	Mar. 1923	to 1st	Dec. 1923
,,	E. M. Hodgson	,,	2nd	Dec. 1923	to 31st	Mar. 1924

Southern Circle.

		Years.	Months.
Mr.	W. E. Copleston	..	7
,,	G. E. Marjoribanks	..	1
,,	E. M. Hodgson	..	1
,,	A. G. Edie	3	6½
,,	P. E. Aitchison	..	7
,,	H. L. Newman	..	1½

Sind Circle.

Mr.	P. E. Aitchison	from	1st	July 1919	to 4th	Dec. 1919
,,	H. L. Newman	,,	5th	Dec. 1919	to 5th	April 1923
,,	P. E. Aitchison	,,	6th	April 1923	to 31st	Mar. 1924

Mr. T. R. D. Bell, Chief Conservator of Forests, and Messrs. L. Napier and J. Dodgson, Conservators of Forests, and Messrs. J. D. Hamilton, C. G. Dalia and D. J. Navani, Deputy Conservators of Forests, retired from the Imperial Forest Service.

Department was deprived of one of its most experienced officers e death from heart failure of Mr. D. A. Thomson when he was acting f Conservator of Forests.

Five Temporary Assistant Conservators appointed at a time when trained European recruits were not available severed their connection with the Department on the termination of their contracts.

Between 1913 and 1921 no recruits in the Imperial Forest Service were forthcoming and since then to date 14 new officers have joined service.

Six Provincial Officers were promoted to the Imperial Forest Service during the period. Out of them 2 have retired.

16.—General Remarks.

The period under review witnessed considerable discontent among the agriculturists of the coastal tract in Kanara and hostility against the Department engendered by the local non co-operators. A special Forest Settlement Officer was appointed to enquire into the grievances of the people, and as a result of his recommendations new minor forest areas were set apart for the exercise of privileges and many additional concessions were given. As a result of these liberal measures the attitude of the people is steadily improving.

As an insurance against fodder scarcity, which recurred in almost every year of the period under review, Government sanctioned a storage scheme providing for a maximum reserve of 150 lakhs lbs. of pressed and baled grass at Dohad and Godhra for the Gujarat Districts, 150 lakhs lbs. at Palghar and 275 lakhs lbs. in the Nawapur area for supply to the Gujarat and Deccan Districts. The scheme has undoubtedly been of the utmost benefit and to render it more useful still with a reduction in the chances of wastage and consequent loss to Government a revision has been suggested to Government.

Financially the Forest Department has had to undergo a severe strain ever since the general slump set in following on the short-lived post war boom in trade. But development solely with a view to increase the resources and the earning capacity of the forests has never been lost sight of though faced with financial stringency. It is confidently expected that the improvements initiated in this period will produce the anticipated result.

The Retrenchment Committee recommended the abolition of the post of the Chief Conservator of Forests, the reconversion of the post of Conservator of Forests, Sind Circle into that of a Deputy Conservator and various other less important measures. Government declared their decision in their Resolution No. 8352, dated 15th February 1924, disagreeing after careful consideration with the majority of the recommendations made, but since 1921 reductions in permanent establishment involving an annual expenditure of Rs. 1,03,980 and in temporary establishment involving annual expenditure of Rs. 1,06,072 have been carried out.

His Excellency the Governor of Bombay visited the Southern [redacted] forests in 1920-1921 and 1923, and the West Khandesh forests in 192[redacted] The Honourable the Minister for Forest and Excise visited Sind and [redacted] Central and Southern Circles to inspect the operations of the Departmen[redacted]

The Inspector General of Forests also paid visits to the Kanara forests twice, and the Consulting Forest Engineer to the Government of India likewise visited the Northern and Southern Circles to advise on certain schemes of exploitation.

W. E. COPLESTON,
Chief Conservator of Forests,
Bombay Presidency.

APPENDICES.

FORM No. 51.—*Area of Reserved*

Division.	Civil District or Territory.	Area on 1st April 1923.		Added during the year.
		Acres.	Equivalent in square miles.	Acres.
1	2	3	4	5
NORTHERN CIRCLE.				
Panch Mahals	Panch Mahals ...	212,142	331	.....
Surat	Surat	51,791	81	.....
	Do. (Dángs leased) ...	211,795	331	.....
	Násik (Baragaon Dangs).	13,756	21	.....
North Thána	Thána	221,335	346	5
West Do.	Do.	184,842	289	.....
East Do.	Do. and Násik	293,491	459	.....
West Násik	Násik and Thána ...	211,221	330	.....
East Do.	Do. and Nagar ...	520,644	813	.....
Ahmedabad	Ahmedabad ...	12,032	19	.....
	Total, Northern Circle.	1,933,040	3,020	5
CENTRAL CIRCLE.				
East Khándesh	East Khándesh ...	511,733	799	.....
North Do.	West Do. ...	557,153	871	.....
West Do.	Do. ...	510,179	797	.....
Poona	Poona and Ahmednagar.	628,736	983	.....
Kolába	Kolába and Ratnagiri...	288,214	451	.....
Sátára ...	Sátára	453,638	709	46
	Do. (leased) ...	468	.....	.....

Forest, 1923-1924.

Excluded or transferred to other heads.	Area on 31st March 1924.		No. and date of Notification of addition or transfer.	Remarks.
Acres.	Acres.	Equivalent in square miles.		
6	7	8		10
.....	212,142	331	.....	
.....	51,791	81	.....	
.....	211,795	331	.....	
.....	13,756	21	.....	
.....	221,340	346	S. 35-18-17939 of 23-11-1923.	
32	184,810	289	S. 36-21-4650 of 23-4-1923; S-36-21-11276 of 20-7-1923. S. 36-21-11263 of 31-7-1923.	
.....	293,491	459	.....	
132	211,089	329	S. 35-11-14295 of 24-9-1923.	
969	519,675	812	S. 36-11-11094 of 2-7-1923; S. 36-11-12353 of 30-7-1923; S. 34-11 12949 of 18-8-1923; S. 36-11-19473 of 28-12-1923; S. 36-2-6092 of 14-5-1923; S. 36-2-9334 of 15-5-1923; S. 36-2-2619 of 17-8-1923; S. 36-2-12620 of 21-8-1923; S. 36-2-13178 of 21-8-1923.	
.....	12,032	19	.....	
1,133	1,931,021	3,018		
282	511,451	799	S. 36-7-7848 of 11-6-1923.	
.....	557,153	871	.....	
11	510,168	797	S. 36-19-12617 of 13-8-1923.	
42	628,694	983	36-2-11795 of 31-7-1923; 13177 of 21-8-1923; 36-13-6661 of 15-5-1923; 18367 of 11-12-1923.	
20	288,194	450	36-10-7695 of 25-5-1923; 12557 of 13-8-1923; 11092 of 19-7-1923.	
3,513	450,171	704	36-15-9537 of 3-7-1923; 3283 of 12-3-1923; 4703 of 23-4-1923; 4704 of 23-4-1923; 7869 of 31-5-1923; 9129 of 21-6-1923; 9448 of 20-6-1923; 8889 of 21-6-1923; 8890 of 21-6-1923; 9126 of 21-6-1923; 9250 of 21-6-1923; 9567 of 21-6-1923; 9568 of 21-6-1923; 9569 of 21-6-1923; 9447 of 6-7-1923; 10014 of 6-7-1923; 10002 of 7-7-1923; 9127 of 4-7-1923; 10079 of 9-7-1923; 10482 of 16-7-1923; 10508 of 16-7-1923; 11796 of 30-7-1923; 12404, of 13-8-1923; 12493 of 13-8-1923; 2766 of 17-8-1923; 12894 of 17-8-1923; 12614 of 21-8-1923; 12621 of 21-8-1923; 14381 of 17-9-1923; 15748 of 12-10-1923; 15749 of 12-10-1923; 15750 of 12-10-1923; 15751 of 12-10-1923; 15753 of 12-10-1923; 15752 of 12-10-1923; 17044 of 14-10-1923; 17045 of 14-10-1923; 17047 of 14-11-1923; 17048 of 14-11-1923; 17049 of 14-11-1923; 17043 of 14-11-1923; 19601 of 21-12-1923; 19603 of 9-1-1924.	
.....	468			

FORM No. 51.—*Area of Reserved*

Division.	Civil District or Territory.	Area on 1st April 1923.		Added during the year.
		Acres.	Equivalent in square miles.	Acres.
1	2	3	4	5
CENTRAL CIRCLE—*concld.*				
Ahmednagar and Sholápur	Ahmednagar and Sholápur.	444,964	695	.....
	Total, Central Circle ...	3,395,085	5,305	46
SOUTHERN CIRCLE.				
Kánara, N. D.	Kánara	213,846	334	(a) 601
Kánara, E. D.	Kánara and Dhárwár ..	362,133	566	(c) 7
Kánara, C. D.	Kánara	479,729	750	(g) 25 4,310
Kánara, S. D.	Kánara	394,164	616	(i) 10 17,917

Forest, 1923-1924—contd.

Excluded or transferred to other heads.	Area on 31st March 1924.		No. and date of Notification of addition or transfer.	Remarks.
Acres.	Acres.	Equivalent in square miles.		
6	7	8	9	10
1,608	443,356	693	36-16-19462 of 5-3-1923; 17539 of 22-11-1923; 17540 of 22-11 1923; 18437 of 11-12 1923; 19356 of 11-1-1924; 3239 of 20-2-1924; 34-2-50-7 of 17-5-19 3; 12443 of 11 12-1923; 13944 of 11-9-1923; 13940 of 11-9-1923; 126.6 of 17-8-1923; 12615 of 17-8-1923; 12351 of 13-8-1923; 13943 of 4-9-1923; 13941 of 4-9-1923; 17050 of 15-11-1923.	
5,476	3,389,655	5,297		
(b) 60	214,387	335	(a) S. 35-9-9077 of 19-6-1923; S. 35-9-9076 of 5-7-1923; S. 35-9-9140 of 5-7-1923. (b) S. 36-9-9604 of 4-7-1923; S. 36-9-285 of 12-1-1924.	
(c)11,888 868‡	349,394	546	(c) S. 35-9-13179 of 21-8-1923.	
			(d) S. 36-9-2658 of 12-3-1923; S. 36-9-3946 of 27-3-1923; S. 36-9-3947 of 27-3-1923; S. 36-9-4318 of 3-4-1923; S. 36-9-4320 of 3-4-1923; S. 36-9-4589 of 23-4-1923; S. 36-9-4764 of 24-4-1923; S. 36-9-4767 of 24-4-1923; S. 36-9-4768 of 24-4-1923; S. 36-9-4772 of 24-4-1923; S. 36-9-4773 of 24-4-1923; S. 36-9-5816 of 27-4-1923; S. 36-9-5849 of 24-4-1923; S 36-9-5927 of 2-5-1923; S. 36-9-6171 of 8-5-1923; S 36-9-5981 of 8-5-1923; S. 36-9-5425 of 8-5-1923; S. 36-9-6588 of 14-5-1923; S. 36-9-4763 of 3-7-1923; S. 36-9-8634 of 3-7-1923; S. 36-9-10088 of 12-7-1923; S. 36-9-13479 of 4-9-1923; S. 36-9-15643 of 11-10-1923; S. 36-9-17868 of 11-12-1923; S. 36-9-670 of 24-1-1924.	
(f) 2,251 19,794†	462,019	722	(f) S. 36-9-9603 of 7-3-1923; S. 36-9-4769 of 10-4-1923; S. 36-9-5259 of 14-4-1923; S. 36-9-9078 of 3-7-1923; S. 36-9-10189 of 5-7-1923; S. 36-9-11091 of 21-7-1923; S. 36-9-18658 of 18-12-1923; S. 36-9-671 of 23-1-1924; S. 36-9-4763 of 3-7-1923; S. 36-9-8636 of 3-7-1923; S. 36-9-5190 of 16-4-1923 S. 36-9-15747 of 29-10 1923; S. 36-9-18310 of 8-12-1923; S 36-9-608 of 24-1-1924; S. 36-9-5926 of 2-5-1923.	
			(g) S. 35-9-10087 of 30-6-1923.	
(j) 851 16,035†	395,215	617	(i) S. 35-9-10989 of 12-7-1923; S. 35-9-13181 of 21-8-1923; S. 35-9-13182 of 21-8-1923; S. 35-9-10986 of 30-6-1923.	
			(j) S. 36-9-2659 of 12-3-1923; S. 36-9-2660 of 12-3-1923; S. 36-9-4324 of 3-4-1923; S. 36-9-6172 of 8-5-1923; S. 36-9-5191 of 14-4-1923; S. 36-9-4771 of 24-4-1923; S 36-9-10076 of 5-7-1923; S 36-9-11096 of 19-7-1923; S. 36-9-14739 of 29-9-1923; S. 36-9-18659 of 17-12 1923; S. 36-9-17869 of 11-12-1923; S. 36-9-10619 of 16-7-1923; S. 36-9-12656 of 21-8-1923; S 36-9-15747 of 29-10-1923; S. 36-9-18266 of 11-12-1923; S. 36-9-672 of 24-1-1924.	

FORM No. 51.—*Area of Reserved*

Division.	Civil District or Territory.	Area on 1st April 1923.		Added during the year.
		Acres.	Equivalent in square miles.	Acres.
1	2	3	4	5
SOUTHERN CIRCLE—*concld.*				
Kánara, W. D.	Kánara	537,303	839	33
Belgaum	Belgaum	446,941	698	(*n*) 276
Dharwar-Bijapur	Dharwar-Bijapur ...	388,522	607	(*p*) 68 868‡
Ratnagiri	Ratnagiri	12,051	19	.....
	Total, Southern Circle.	2,934,689	4,429	957 22,260† 868‡
SIND CIRCLE.				
Sukkur	Sukkur and Upper Sind Frontier.	174,547	273	+ 6,500 13
Shikarpu	Do. ...	146,615	229	+ 2,000
Larkana	Larkana and Nawabshah.	115,019	180	+ 6,243 86
Hyderabad	Hyderabad, Karachi and Nawabshah.	152,349	238	+99 15
Karachi	Hyderabad and Karachi.	127,695	200	+ 2,920
	Total, Sind Circle ...	716,425	1,120	+ 17,762 114
	Grand Total, Presidency.	8,879,243	13,874	1,152 22,260† + 17,702 868‡

Forest, 1923-1924—contd.

Excluded or transferred to other heads.	Area on 31st March 1924.		No. and date of Notification of addition or transfer.	Remarks.
Acres.	Acres.	Equivalent in square miles.		
6	7	8	9	10
(*m*) 2,729 255†	534,352	835	(*m*) S. 36-9-11080 of 9-7-1923; S. 36-9-12356 of 7-8-1923; S. 36-9-10081 of 5-7-1923; S. 36-9-17870 of 11-12-1923; S. 36-9-14778 of 28-9-1923; S. 36-9-14780 of 28-9-1923; S. 36-9-6174 of 27-4-1923; S. 36-9-1319 of 3-4-1923; S. 36-9-4822 of 3-4-1923; S. 36-9-5-18 of 24-4-1923; S. 36-9-6175 of 8-5-1923; S. 36-9-6171 of 8-5-1923; S. 36-9-4767 of 24-4-1923; S. 36-9-4773 of 24-4-1923; S. 36-9-6588 of 14-5-1923; S. 36-9-611 of 24-1-1924; S. 36-9-12801 of 13-8-1923.	
(*o*) 11	447,206	699	(*n*) S. 35-3-3948 of 24-3-1923; S. 35-3-6173 of 15-5-1923; S. 35-3-6991 of 15-5-1923; S. 35-3-16859 of 29-10-1923; S. 35-3-10088 of 3-7-1923; S. 35-3-13752 of 30-8-1923; S. 35-3-16981 of 2-11-1923; S. 35-3-19470 of 27-12-1923; S. 35-3-18070 of 17-12-1923. (*o*) S. 36-3-12354 of 7-8-1923; S. 36-3-12355 of 13-8-1923; S. 36-3-14777 of 24-9-1923; S. 36-3-3828 of 25-2-1924.	
(*r*) 745	388,718	607	(*p*) S. 35-4-15302 of 1-10-1923; S. 35-4-14984 of 28-9-1923. (*r*) S. 36-4-5545 of 7-5-1923; S. 36-6-14793 (*a*) of 29-9-1923; S. 35-4-9479 (*a*) of 5-7-1923; S. 36-4-9142 of 7-7-1923; S. 36-4-1077 of 7-7-1923; S. 36-4-10080 of 7-7-1923; S. 36-4-12907 of 17-8-1923; S. 36-4-12980 of 17-8-1923; S. 36-4-14779 of 28-9-1923; S. 36-4-17807 of 11-12-1923; S. 36-4-610 of 28-1-1924.	
(*s*) 156	11,895	19	(*s*) S. 36-14-5847 of 2-5-1923; S. 36-14-16211 of 27-10-1923.	† Due to correction as per new Forest Register supplied by the Forest Settlement Officer. ‡ Transfer from one Division to another.
18,691 36,074† 568‡	2,803,171	4,380		
— 2,082 (*c*) 9,631	160,347	264	S. 35-20-16960 of 31-10-1923; S. 35-20-4143 of 23-3-1923; S. 35-20-12419 of 6-8-1923; S. 35-20-13542 of 30-8-1923; S. 35-20-4825 of 14-4-1923.	
(*c*) 2,250 — 2,351	144,034	225	S. 35-20-15994 of 31-10-1923.	
— 2,030 (*c*) 520 500	118,293	185	S. 35-20-17262 of 29-11-1923; S. 35-20-17263 of 29-11-1923; S. 35-20-14651 of 27-10-1923; S. 35-20-4318 of 5-4-1923.	+ Gained by accretion, — Lost by erosion. (*c*) Kacha area included in Reserved Forest but since declared Protected Forest and transferred to 51 I. A.
(*c*) 3,730 — 1,039	147,694	231	S. 35-20-10985 of 12-7-1923; S. 35-20-671 of 22-1-1924; S. 35-20-11288 of 6-8-1923.	
— 2,015 (*c*) 2,.50	126,650	198	S. 35-20-15998 of 12-10-1923; S. 35-20-14036 of 11-9-1923; S. 35-20-13451 of 21-9-1923; S. 35-20-1207 of 15-12-1923; S. 35-20-9705 of 28-6-1923.	*Note.*—Old Kacha now notified under section 19 already included in the Reserved Forest area when handed over to this Department hence not added now.
(*c*) 18,231 9,497 500	706,023	1,103		
25,800 36,074† —9,497 (*c*) 18,231 8,667	8,830,770	13,798		

FORM No. 51-A.—*Area of Protected Forest, 1923-1924.*

Division.	Civil District or Territory.	Area on 1st April 1923.		Added during the year.	Excluded or transferred to other heads.	Area on 31st March 1924.		No. and date of Notification of addition or transfer.
		Acres.	Equivalent in square miles.	Acres.	Acres.	Acres.	Equivalent in square miles.	
1	2	3	4	5	6	7	8	
NORTHERN CIRCLE.								
Surat ...	Dángs (leased)	208,013	325	...	...	208,013	325	
	Násik-Baragaon Dángs.	1,267	2	...	...	1,267	2	
North Thána ...	Thána ...	95,427	149	...	...	95,427	149	
West Thána ...	Do. ...	64,610	101	...	...	64,610	101	
East Thána ...	Do. ...	90,765	142	...	...	90,765	142	
West Násik ...	Násik ...	61,134	94	*1,794	...	61,928	97	G. R. No. 263 of 10-1-24.
	Total, Northern Circle.	520,216	813	1,794	...	523,010	816	
CENTRAL CIRCLE.								
Poona	Poona ...	7,139	11	...	...	7,139	11	
Kolába	Kolába ...	46,333	72	...	44	46,289	72	36-10-5849 of 10-5-1923; 7560 of 25-6-1923; 18959 of 15-12-1923; 16589 of 11-10-1923; 19378 of 27-12-1923.
Sátára	Satára ...	657	1	...	...	657	1	
	Total, Central Circle.	54,129	84	...	44	54,085	84	
SOUTHERN CIRCLE.								
Kánara, N. D...	Kánara ...	56	...	...	...	56	...	
Kánara, E. D. ...	Do. ...	1,711	3	(a) 11,812	(b) ...	13,523	21	(a) S. 36-9-2659(a) of 12-3-1923; S. 36-9-3946(a) of 27-3-1923; S. 36-9-3947(a) of 27-3-1923; S. 36-9-5169(a) of 23-4-1923; S. 36-9-4764(a) of 24-4-1923; S. 36-9-4767(a) of 24-4-1923; S. 36-9-4768(a) of 24-4-1923; S. 36-9-4772(a) of 24-4-1923; S. 36-9-4773(a) of 24-4-1923; S. 36-9-5946(a) of 27-4-1923; S. 36-9-6027 (a) of 2-5-1923; S. 36-9-6171(a) of 8-5-1923; S. 36-9-6691(a) of 8-5-1923; S. 36-9-6559 (a) of 8-5-1923; S. 36-9-6558(a) of 14-5-1923; S. 36-9-4769(a) of 3-7-1923; S. 36-9-8638(a) of 3-7-1923; S. 36-9-15583(a) of 11-10-1923; S. 36-9-670(a) of 24-1-1924. (b) S. 36-9-4321 of 3-4-1923; S. 36-9-12357 of 7-8-1923.

*Area of land acquired in Wavar, Vangni.

FORM NO. 51-A.—*Area of Protected Forest, 1923-1924*—contd.

Division.	Civil District or Territory.	Area on 1st April 1923.		Added during the year.	Excluded or transferred to other heads.	Area on 31st March 1924.		No. and date of Notification of addition or transfer.
		Acres.	Equivalent in square miles.	Acres.	Acres.	Acres.	Equivalent in square miles.	
1	2	3	4	5	6	7	8	
SOUTHERN CIRCLE—*continued.*								
Kánara, C. D.	Kánara ...	40,899*	64	(*c*) 887	(*d*) 9	41,777	65	(*c*) S. 35-9-4759 of 10-4-1923; S. 36-9-4769 (*a*) of 10-4-1923; S. 36-9-5959 (*a*) of 14-4-1923; S. 36-9-476 (*a*) of 3-7-1923; S. 36-9-863 (*a*) of 3-7-1923; S. 36-9-5926(*a*) of 2-5-1923. (*d*) S. 36-9-4423 of 3-4-1923; S. 36-9-5191(*a*) of 14-4-1923; S. 36-9-10131 of 5-7-1923.
Kánara, S. D.	Do. ..	68,590	107	(*e*) 77	5 (*f*) * 384	68,278	107	(*e*) S. 36-9-4171(*a*) of 24-4-1923; S. 36-9-11096 (*a*) of 19-7-1923; S. 36-9-14739 (*a*) of 29-9-1923. (*f*) S. 36-9-5191(*a*) of 14-4-1923; S. 36-9-14739(*b*) of 29-9-1923.
Kánara, W. D.	Do. ...	8,728	14	(*h*) 2,625 46*	30*	11,372	18	(*h*) S. 36-9-5188(*a*) of 23-4-1923; S. 36-9-4767(*a*) of 24-4-1923; S. 36-9-4773(*a*) of 24-4-1923; S. 36-9-6171(*a*) of 8-5-1923; S. 36-9-6175 (*a*) of 8-5-1923; S. 36-9-6585 (*a*) of 14-5-1923.
Belgaum	Belgaum ..	12	...	...	...	12	...	
	Total, Southern Circle.	119,995	188	15,401 46*	14 414*	135,020	211	
SIND CIRCLE.								
Sukkur ...	Sukkur and Upper Sind Frontier.	3,410	5	(*b*) 9,631	-4,000	9,071	14	S. 35-20-13542 of 30-8-1923; S. 35-20-4825 of 14-4-1923; S. 35-20-12419 of 6-8-1923; S. 35-20-16800 of 31-10-1923.
Shikarpur ...	Do. ..	935	2	(*b*) 2,250	...	3,185	5	S. 35-20-15994 of 31-10-1923.
Larkana ...	Nawabshah	3,655	6	(*b*) 520	-1,120	3,055	5	S. 35-20-16651 of 27-10-1923.
Hyderabad ...	Karachi ...	4,260	7	3,314 (*b*) 3,730	-1,025	10,279	16	S. 35-20-16238 of 27-10-1923; S. 35-20-67 of 2[illegible]-1924; S. [illegible]35-20-18[illegible]7 of 17-12-1923; S. 35-20-14288 of 6-8-1923; S. 35-20-1001 of 12-10-1923.
Karachi ...	Karachi and Hyderabad	11,743	18	(*b*) 2,150	-637	13,256	21	S. 35-20-5993 of 12-10-1923; S. 35-20-4086 of 11-9-1923; S. 35-20-13451 of 24-8-1923; S. 35-20-19207 of 18-12-1923; S. 35-20-9705 of 28-6-1923.
	Total, Sind Circle.	24,033	38	3,314 (*b*) 18,281	-6,782	38,846	61	
	GRAND TOTAL, PRESIDENCY.	718,376	1,122	20,512 46* (*b*) 18,281	58 414* -6,782	749,961	1,172	

* Due to corrections in the Forest Registers.
Lost by erosion. (*b*) Transferred from Form No. 51

FORM No. 51-B.—*Area of Reserved and Protected Forest under the management of the Forest Department for 1923-24.*

Division.	Civil District or Territory.	Area on 1st April 1923.		Added during the year.	Excluded or transferred to other heads.	Area on 31st March 1924.		No. and date of Notification of addition or transfer.
		Acres.	Equivalent in square miles.	Acres.	Acres	Acres.	Equivalent in square miles.	
1	2	3	4	5	6	7	8	
NORTHERN CIRCLE.								
Panch Mahals.	Panch Mahals.	209,758	328	...	...	209,758	328	
Surat ...	Surat ...	463,507	724	...	...	463,507	724	
	Baragaon Dangs Nasik.	13,756	21	*1,267	...	15,023	23	G. R., No. 3842 of 19th May 1922, R. D.
North Thana.	Thana ...	221,722	347	5	...	221,727	347	*Vide* F. No. 51.
West Thana ...	Do. ...	192,647	301	...	32	192,615	301	Do.
East Thana ...	Do. and Nasik.	293,218	459	...	...	293,218	459	
West Nasik ...	Nasik ...	207,520	324	(a)1,794 + 55,656	†132	264,870	414	† *Vide* F. No. 51.
East Nasik ...	Do. and Nagar.	480,944	751	...	442	480,502	750	S. 36-11-11094 of 2nd July 1923; S. 36-11-19473 of 28th December 1923.
	Total, Northern Circle.	2,083,072	3,255	1,799 56,965*	606	2,141,220	3,346	* Transfer from 51-c.
CENTRAL CIRCLE.								
East Khandesh.	East Khandesh.	488,478	763	...	(b) 1,007	487,471	761	
North Khandesh.	West Khandesh	557,153	871	...	..	557,153	871	
West Khandesh.	Do. ...	396,912	620	...	11	396,901	620	*Vide* Form No. 51.
Poona ...	Poona and Ahmednagar.	366,345	572	...	42	366,303	572	Do.
Kolàba ...	Kolaba and Ratnagiri.	269,642	421	...	20	269,622	421	Do.
Satara ...	Satara ...	330,622	516	46	482	330,186	516	Do.
	Total, Central Circle.	2,409,152	3,763	46	(b) 1,007 555	2,407,636	3,761	(b) Transfer to 51-c.

(a) G. R., Nos. 252 of 10th January 1924 and 3842 of 19th May 1922 R. D.

FORM No. 51-B.—*Area of Reserved and Protected Forest under the management of the Forest Department for 1923-1924*—concld.

Division.	Civil District or Territory.	Area on 1st April 1923.		Added during the year.	Excluded or transferred to other heads.	Area on 31st March 1924.		No. and date of Notification of addition or transfer.
		Acres.	Equivalent in square miles.	Acres.	Acres.	Acres.	Equivalent in square miles.	
1	2	3	4	5	6	7	8	9
SOUTHERN CIRCLE.								
Kanara, N. D.	Kanara ...	213,886	334	601	60	214,427	335	*Vide* Form No. 51.
Kanara, E. D.	Kanara and Dharwar.	359,804	562	7	11,683 ‡858	347,055	542	Do.
Kanara, C. D.	Kanara ...	496,204	776	25 4,310†	2,251 †19,794 (*b*)16,475	462,019	732	Do.
Kanara, S. D.	Do. ...	420,423	657	10 17,917†	851 †16,025 (*b*)25,252	395,215	617	Do.
Kanara, W. D.	Do. ...	542,958	848	2,628 79†	2,729 †285	542,651	848	*Vide* Forms Nos. 51 and 51-A.
Belgaum ...	Belgaum ...	445,276	696	276	11	445,541	697	*Vide* Form No. 51.
Darwar-Bijapur.	Dharwar and Bijapur	291,589	456	68 868‡	561 (*b*)1,629	290,185	453	Do.
	Total, Southern Circle.	2,770,140	4,329	3,615 22,306† 868‡	18,351 †36,104 ‡868 (*b*)44,563	2,697,043	4,214	†Due to corrections in Forest Registers. ‡Transfer from one Division to another. (*b*) Transfer to 51-C.
SIND CIRCLE.								
Sukkur ...	Sukkur and U. S Frontier.	177,987	278	13 6,500†	−6,082	178,418	278	*Vide* Form Nos. 51 and 51-A.
Shikarpur ...	Do ...	147,550	231	2,000†	−2,331	147,219	230	
Larkana ...	Larkana and Nawabshah.	118,674	185	6,243† 86	−3,150 500	121,353	190	
Hyderabad ...	Hyderabad. Karachi and Nawabshah.	156,609	245	3,329 99†	−2,064	157,973	247	
Karachi ...	Karachi and Hyderabad.	139,614	218	2,920†	−2,652	139,882	219	
	Total, Sind Circle.	740,434	1,157	3,428 17,762	−16,279 500	744,845	1,164	
	Grand Total, Presidency.	8,002,798	12,504	8,888 56,955* 22,306† 17,762‡ 868‡	20,012 (*b*)45,570 †36,104 −16,279 ‡868	7,990,744	12,485	+ Gained by accretion. − Lost by erosion. * Transfer from 51-C.

FORM No. 51-C.—*Area of Reserved and Protected Forest*

Division.	Civil District or Territory.	Area on 1st April 1923.	
		Acres.	Equivalent in square miles.
1	2	3	4
NORTHERN CIRCLE.			
Panch Mahals	Panch Mahals	2,394	3
Surat ...	Surat ...	8,092	13
	Baragaon-Dangs (Nasik)	1,267	2
North Thana	Thana	95,041	148
West Thana	Do.	56,904	89
East Thana ..	Do.	91,038	142
West Nasik	Nasik and Thana	63,835	100
East Nasik	Do. Nagar	39,700	62
Ahmedabad	Ahmedabad	12,033	19
	Total, Northern Circle ...	370,198	578
CENTRAL CIRCLE.			
East Khandesh	East Khandesh	23,255	36
West Khandesh	West Khandesh	113,267	177
Poona	Poona and Ahmednagar	269,530	422
Kolaba	Kolaba	64,905	102
Satara	Satara	124,141	194
Nagar-Sholapur	Nagar and Sholapur	444,964	695
	Total, Central Circle ...	1,040,062	1,625
SOUTHERN CIRCLE.			
Kanara, N. D.	Kanara	18	...
Kanara, E. D.	Do. and Dharwar	4,040	7
Kanara C. D.	Kanara	24,424	38
Kanara, S. D.	Do.	42,381	66
Kanara, W. D.	Do.	3,073	5
Belgaum	Belgaum	1,677	2
Dharwar-Bijapur	Dharwar and Bijapur	96,933	151
Ratnagiri	Ratnagiri	12,051	19
	Total, Southern Circle ...	184,547	288
SIND CIRCLE.			
Karachi	Karachi	24	...
	Grand Total, Presidency ...	1,594,826	2,492

under the management of the Revenue Department for 1923-24.

Added during the year.	Excluded or transferred to other head.	Area on 31st March 1924.		No. and date of Notification of addition or transfer.	Remarks.
Acres.	Acres.	Acres.	Equivalent in square miles.		
5	6	7		9	10
.....	.....	2,384	3		
.....	.....	8,092	13	G. R. No. 3842 of 19th May 1922, R. D.	
.....	1,267 (a)	...	.....		
.....	.....	95,041	148		
.....	.....	56,804	89		
.....	.....	91,038	142		
.....	55,688 (a)	8,147	12	*Vide* G. R. No. 3642 of 19th May 1922.	
.....	*527	39,173	62	* S. 36/11/12353 of 30th July 1923.	
.....	.....	12,032	19	S. 36/11/12949 of 18th August 1923.	
.....	527	312,711	488	S. 36/2/6992 of 14th May 1923.	
	56,955 (a)			S. 36/2/9384 of 15th May 1923. S. 36/2/2619 of 17th August 1923. S. 36/2/12620 of 21st August 1923. S. 36/2/13178 of 21st August 1923.	
1,007 (b)	282	23,980	38	(a) Transfer to 51-B.	
.. ...	.....	113,267	177	*Vide* Form No. 51.	
.....	.....	269,530	422		
.....	44	64,861	101	*Vide* Form No. 51-A.	
.....	3,031	121,110	189	*Vide* Form No. 51.	
.....	1,608	443,356	693	Do.	
1,007 (b)	4,965	1,036,104	1,620	(b) Transfer from 51-B.	
.....	.....	16	.....		
11,812	.....	15,862	25	(a) *Vide* Form No. 51-A.	
887	9	41,777	65	*Vide* Form No. 51-A.	
16,475 (b)					
77	5	68,278	107	Do.	
26,259 (b)	384†				
.....	.....	3,073	5		
.....	.....	1,677	2		
1,829 (b)	184	98,578	154	*Vide* Form No. 51.	
.. ...	156	11,595	19	Do.	
12,776	354	241,148	377	(b) Transfer from 51-B. † Due to corrections in the Forest Registers.	
44,563 (b)	384†				
.....	.....	24	.....		
12,776	5,846	1,589,987	2,485		
45,570 (b)	56,955 (a)				
	384†				

FORM No. 51-D.

ABSTRACT OF FORMS NOS. 51, 51-A, 51-B AND 51-C FOR 1923-24.—*Showing Reserved and Protected Forest with tripartite classification.*

Division or District.	In charge of the Forest Department.					In charge of the Revenue Department.				Total Forest Area.	Remarks.
	Reserved Forest.			Protected Forest.		Reserved Forest.			Protected Forest.		
	Forest proper.	Pasture reserves.	Fuel and fodder reserves.	Forest proper.	Pasture reserves.	Forest proper.	Pasture reserves.	Fuel and fodder reserves.	Pasture reserves.		
	2	3	4	5	6	7	8	9	10	11	12
	Sq. m.	Sq. m.	Sq. m.	Sq. m.	Sq. m.	Sq. m.	Sq. m.	Sq. m.	Sq. m.	Sq. m.	
NORTHERN CIRCLE.											
Panch Mahals ...	328	...	...	...	...	...	3	...	...	331	
Surat ...	420	...	...	325	2	...	3	10	...	760	
North Thana ...	344	...	2	1	...	...	...	...	148	495	
West Thana ...	289	...	...	12	...	...	...	...	89	390	
East Thana ...	459	...	...	...	...	...	...	...	142	601	
West Nasik ...	323	...	1	...	90	...	4	1	7	426	
East Nasik ...	749	...	1	...	...	...	62	...	...	813	
Ahmedabad ...	...	...	...	...	...	...	...	19	...	19	
Total, Northern Circle ...	2,912	...	4	338	92	...	72	30	386	3,834	
CENTRAL CIRCLE.											
East Khandesh ...	761	...	...	...	...	...	38	...	...	799	
North Khandesh ...	871	...	...	...	...	...	...	...	...	871	
West Khandesh ...	489	...	131	...	...	...	177	...	...	797	
Poona ...	561	...	...	11	...	...	422	...	...	994	
Kolaba ...	417	...	4	...	...	...	29	...	72	522	
Satara ...	515	...	...	1	...	...	185	4	...	705	
Nagar-Sholapur ...	...	...	...	...	...	...	693	...	...	693	
Total, Central Circle ...	3,614	...	135	12	...	...	1,544	4	72	6,381	

FORM No. 51-D—*contd.*

Division or District.	In charge of the Forest Department.					In charge of the Revenue Department.				Total Forest Area.	Remarks.
	Reserved Forest.			Protected Forest.		Reserved Forest.			Protected Forest.		
	Forest proper.	Pasture reserves.	Fuel and fodder reserves.	Forest proper.	Pasture reserves.	Forest proper.	Pasture reserves.	Fuel and fodder reserves.	Pasture reserves.		
	2	3	4	5	6	7	8	9	10	11	12
SOUTHERN CIRCLE.	Sq. m.	Sq. m.	Sq. m.	q. m	Sq. m.	Sq. m.	Sq. m.	Sq. m.	Sq. m.	Sq. m.	
Kanara, N. D. ...	335	...	...	...	...	..	...	...	...	335	
Kanara, E. D. ...	454	88	...	...	...	...	...	4	21	567	
Kanara, C. D. ...	551	171	...	...	...	...	...	...	65	787	
Kanara, S. D. ...	364	253	...	...	...	...	...	...	107	724	
Kanara, W. D. ...	756	79	...	...	13	...	...	...	5	853	
Belgaum ...	647	...	50	...	...	1	...	1	...	699	
Dharwar-Bijapur ...	402	...	51	...	...	...	...	154	...	607	
Ratnagiri ...	...	...	...	...	...	14	...	5	...	19	
Total, Southern Circle ...	3,509	591	101	...	13	15	...	164	198	4,591	
SIND CIRCLE.											
Sukkur ...	264	...	...	14	...	...	...	...	...	278	
Shikarpur ...	225	...	...	5	...	...	...	...	...	230	
Larkana ...	185	...	...	5	...	...	...	...	...	190	
Hyderabad ...	231	...	...	16	...	...	...	...	...	247	
Karachi ...	198	...	...	21	...	...	...	...	...	219*	
Total, Sind Circle ..	1,103	...	...	61	...	...	...	...	...	1,164	
Grand Total, Presidency...	11,138	...	240	411	105	15	1,616	198	656	14,970	

* The area of 24 acres which is under the management of Revenue Department has been accounted for.

FORM No. 52.—*Progress made in Forest*

Forest Division.	Civil District or Territory.	Name of Forest.	Area in Square Miles.		
			Finally settled during year.	In hand at commencement of year.	Taken in hand during year.
1	2	3	4	5	6
NORTHERN CIRCLE.					
Reserved Forest.					
North Thana ...	Thana ...	Deheri ...	5/640	5/640	...
West Thana ...	Do. ...	Gundgaon ...	...	1/640	...
West Nasik ...	Nasik ...	Velunje ...	...	.....	47/640
		Amboli ...	...	.....	40/640
		Trimbak ...	...	.....	6/640
		Nigdol ...	...	.....	20/640
		Total ...	5/640	6/640	113/640
Protected Forest.					
West Nasik ...	Nasik ...	Rabi lands in Peint Taluka.	...	.....	87
West Nasik ...	Thana ...	Wawar-Vangni ...	2 514/640	.....	2 514/640
		Total ...	2 514/640	.....	2 514/640
Total, Northern Circle ...	.....	.....	2 519/640	6/640	2 627/640

Settlements during the Year 1923-1924.

Cost during year.		Entire cost per square mile of areas finally settled.	Government Notification of Settlement (No. and date of Notification).
In Forest Accounts.	In other Accounts.		
7	8	9	10
.....	.....	.....	S. 35/18/17939 of 23rd November 1923.
.....	.....	.....	No. A-Misc-1309 of 15th May 1920. Settlement not yet completed.
.....	.....	.....	No. S. 35/11/14295 of 24th September 1923.
.....	.....	.....	
.....	.....	.....	
.....	.....	.....	
.....	.....	.....	Settlement work taken in hand as per G. R. No. 3842 of 19th May 1922.
1,857	.....	3,708	Malki land acquired and included in Protected Forest, *vide* G. R. No. 252 of 10th January 1914. Rs. 8,536 were paid in 1922-23.
1,857	.....	3,708	
1,857	.....	3,708	

FORM NO. 52.—*Progress made in Forest*

Forest Division.	Civil District or Territory.	Name of Forest.	Area in Square Miles.		
			Finally settled during year.	In hand at commencement of year.	Taken in hand during year.
1	2	3	4	5	6
CENTRAL CIRCLE.					
East Khandesh ...		Nehare Khurd ...	.....	18-640	.....
North Khandesh...		Sawar ...	.....	8-619-640	.....
Shindi ...		Shindi ...	.....	7-90-640	
West Khandesh ...		Nawli, etc., 39 villages ...	.. ...	.....	.....
Poona ...		Sarola Pathar ...	.....	3-640	.....
		Pondshet ...	.....	30-640	.....
		Agalambe ...	.....	.....	.....
		Shelvihire ...	.....	.....	5-640
		Shenit ...	.....	.....	12-640
Kolaba ...		Apta, Korala, Gherawadi and Saidapur.	.. ...	2-433-640	.....
		Pali Budruk ...	.....	.....	16-640
Satara ...	Pimpri Tarf ...	Tamb ...	46-640	46-640	.....
		Munavla, Deur, Kargaon, and Pali.	.....	.....	.....
		Ghotil ...	.....	.....	30-640
	Total, Central Circle ...	.....	46-640	18-599-640	63-640
SOUTHERN CIRCLE.					
Kanara, N. D. ...	Kanara ...	Reserved ...	601,640	1-3-640	46-640
Kanara, E. D. ...	Do. ...	Do. ...	7-640	7-640	.....
Kanara C. D. ...	Do. ...	Do. ...	25-640	25-640 (a)	.....
Kanara, S. D. ...	Do. ...	Do. ...	11-640	11-640	.....
Belgaum ...	Belgaum ...	Do. ...	276-640	1-353-640(b)	91-640(c)

Settlements during the year 1923-1924.—contd.

Cost during year.		Entire cost per square mile of areas finally settled.	Government Notification of Settlement (No. and date of Notification).
In Forest Accounts.	In other Accounts.		
7	8	9	10
Rs.			
.....	.....	.....	S. 35-7-5545 of 4-5-1923.
.....	.....	.....	S. 35-19-668 of 22-1-1923.
.....	.....	.....	67 acres were already settled but were wrongly shown.
.....	.....	.....	D. Mis. 549 of 10-4-1920.
.....	.....	.....	A. Mis. 2738 of 31-8-1920.
.....	.....	.....	Omitted due to correction in the last year's figure from 43 to 41.
.....	.....	.....	35-2-9132 of 19-6-1923.
.....	.....	.....	36-2-11796 of 31-7-1923.
.....	.....	.....	A. Mis. 1713 of 29-4-1921.
.....	.....	.....	35-10-3972 of 5-3-1921.
.....	.....	.....	36-15-9537 of 5-7-1923.
.....	.....	.....	26 acres of Pimpri tarf Tamb and 138 acres of Munavla, Kargaon, Deur and Pali in Satara shown last year in column 5 of this Form have now been omitted as they are not required for forest.
.....	.....	.....	35-15-10462 of 16-7-1923.
.....	.....	.....	
			Under Section 4.
.....	.....	.....	S. 35-9-19815 of 5-1-1924.
5	.....	.....	
.....	.....	.....	(*a*) 18 acres deducted as per Government Notification No. S. 35-9-4317 of 3-4-1923.
.....	.....	.....	
52	.....	.....	(*b*) 64 acres deducted as per Government Notification No. S. 35-3-10986 of 12-7-1923.
			(*c*) S. 35-3-5598 of 19-4-1923; S. 35-3-5597 of 23-4-1923; S. 35-3-8554 of 8-6-1923; S. 35-3-15268 of 1-10-1923; S. 35-3-10387 of 5-7-1923; S. 35-3-18604 of 11-12-1923; S. 35-3-16655 of 27-10-1923; S. 35-3-3719 of 21-2-1924.

FORM NO. 52.—*Progress made in Forest*

Forest Division.	Civil District or Territory.	Name of Forest.	Area in Square Miles.		
			Finally settled during year.	In hand at commencement of year.	Taken in hand during year.
1	2	3	4	5	6
SOUTHERN CIRCLE—*contd.*					
Dharwar and Bijapur.	Dharwar and Bijapur.	Reserved ...	68-640	101-640	256-640 (*d*)
	Total, Reserved ...	.....	1-348-640(*e*)	2-505-640	393-640
Kanara, E. D. ...	Kanara ...	Protected ...	18-292-640	.....	18-292-640
Kanara, C. D. ...	Do. ...	Do. ...	1-247-640	.....	1-257-640
Kanara, S. D. ...	Do. ...	Do. ...	78-640	.....	78-640
Kanara, W. D. ...	Do. ..	Do. ...	4-68-640	.....	4-68-640
	Total, Protected...	.....	24-45-640(*f*)	.....	24-45-640
	Total, Southern Circle.	.....	25-393-640	2-505-640	24-438-640
SIND CIRCLE.					
Reserved Forest.					
Sukkur ..	Sukkur ...	.....	13-640	1-78-640	.....
Shikarpur ..	Upper Sind Frontier.	.....	1-600-640	1-611-640	.....
Larkana ...	Larkana ...	.....	86-640	86-640	44-640
Hyderabad ...	Karachi ...	.....	15-640	15-640	.....
Karachi ...	Do. ...	.....	2-442-640	2-442-640	.....
Do. ..	Hyderabad ..	.....	130-640	130-640	.....
Protected Forests.	Total, Reserved Forests.	.....	5-6-640	6-82-640	44-640
Sukkur ...	Sukkur ...	.....	15-31-640	.....	15-31-640
Shikarpur ...	Do. ...	.....	3-330-640	.....	3-330-640
Larkana ...	Nawabshah ...	.....	520-640	.....	520-640
Hyderabad ...	Karachi ...	.....	314-640	.....	314-640
Do. ...	Nawabshah ...	.....	5-530-640	.....	5-530-640
Do. ...	Hyderabad ...	.....	4-440-640	.....	4-440-640
Karachi ...	Karachi ...	.....	3-230-640	.....	3-230-640
	Total, Protected Forests.	.....	33-475-640	.....	33-475-640
	Total, Sind Circle.	.....	33-481-640	6-82-640	33-519-640
	Grand Total, Presidency.	.....	67-159-640	27-552-640	148-367-640

Settlements during the year 1923-1924.

Cost during year.		Entire cost per square mile of areas finally settled.	Government Notification of Settlement (No. and date of Notification).
In Forest Accounts.	In other Accounts.		
7	8	9	10
Rs.			
14	.....	.....	(*d*) S. 36-9-14783 of 29-9-1923; S. 35-6-12906 of 13-8-1923; S. 35-4-9079 of 5-7-1923; S. 35-6-18606 of 11-12-1923; S. 36-4-14779(*a*) of 29-9-1923; S. 35-6-15874 of 1-10-1923.
71	.....	.....	(*e*) *Vide* Notifications in Form No. 51.
.....	.....	.....	
.....	.....	.....	
.....	.....	.....	
.....	.....	.....	
.....	.....	.....	(*f*) *Vide* Notifications in Form No. 51-A.
71	.....	.....	
.....	.....	.....	S. 35-20-4143 of 23-3-1923.
.....	.....	.....	S. 35-20-18805 of 15-12-1923.
.....	.....	.....	S. 35-20-17263 of 29-11-1923; S. 35-20-17262 of 29-11-1923; S. 35-20-4506 of 5-4-1923.
.....	.....	.....	S. 35-20-10985 of 12-7-1923.
.....	.....	.....	S. 35-20-3108 of 15-3-1923.
.....	.....	.....	S. 35-20-16858 of 3-1-1924.
.....	.....	.....	
.....	.....	.....	S. 35-20-13542 of 30-8-1923: S. 35-20 16860 of 31-10-1923; S. 35-20-4825 of 14-4-1923; S. 35-20-12419 of 6-8-1923.
.....	.....	.....	Government Resolution No. 8135-20-15994 of 31-10-1923.
.....	.....	.....	S. 35-20-16651 of 27-10-1923.
.....	.....	.....	S. 35-20-16238 of 27-10-1923; S. 35-20-18807 of 17-12-1923.
.....	.....	.....	S. 35-20-671 of 22-1-1924; S. 35-20-11288 of 6-8-1923.
.....	.....	.....	S. 35-20-1601 of 12-10-1923.
.....	.....	.....	S. 35-20-15998 of 12-10-1923; S. 35-20-14086 of 11-9-1923; S. 35-20-13451 of 24-8-1923; S. 35-20-19207 of 18-12-1923; S. 35-20-9705 of 28-6-1923.
.....	.....	.....	
.....	.....	.....	
1,928	.....	.....	

FORM No. 53.—*Record of Demarcation*

Division.	Length of boundaries artificially demarcated during the year.	Length of previously existing boundaries repaired.	Length of previously existing boundaries not repaired.	Total length of artificially marked boundaries at the close of the year.	Length of boundaries still to be demarcated at the close of the year.	Length of natural boundaries not requiring artificial marks.
1	2	3	4	5	6	7
	Miles.	Miles.	Miles.	Miles.	Miles.	Miles.
NORTHERN CIRCLE.						
Panch Mahâls ...	.....	959	.....	959	.....	101
Surat ...	.....	857	.....	857	.....	103
North Thâna ...	.....	911	.....	911	.....	34
West Thâna ...	.....	736	.....	736	.....	32
East Thâna ...	.....	1,425	.....	1,425	.....	148
West Násik ...	.....	1,580	.....	1,580	.....	193
East Násik ...	.....	1,964	.....	1,964	.....	132
Total, Northern Circle ...	.....	8,432	.....	8,432	.....	743
CENTRAL CIRCLE.						
East Khándesh ...	.....	2,169*	4	2,173	.....	107
North Khándesh ...	.....	309	.....	309	.....	52
West Khándesh ...	.....	843	.....	843	.....	67
Poona ...	.....	3,800	.....	3,800	8	458
Kolába ...	9	1,999	.....	2,008	.....	2
Sátára ...	.....	4,244	.....	4,244	.....	80
Total, Central Circle ...	9	13,364	4	13,377	8	836
SOUTHERN CIRCLE.						
Kánara, Northern D.	.....	.....	390	390	.....	14
Do. Eastern D.	.....	226‡	1,271	1,497	.....	31
Do. Central D.	.....	28	3,806	3,834	.....	108

and Maintenance of Boundaries, 1923-1924.

Total length of boundaries at the close of the year.	Expenditure on Demarcation during the year.		Remarks.
	On new work.	On repairs.	
8	9	10	11
Miles.	Rs.	Rs.	
1,060	.....	.....	
960	.....	18	
945	.....	334	
768	.....	309	
1,573	.....	74	
1,773	.....	210	
2,096	.....	308	
9,175	.....	1,253	
2,280	.....	81	* The decrease of 8 miles is due to the fact that 4 miles being erroneously added in the last year's form and to the 4 miles now handed over to the Revenue Department.
361	.....	106	
910	.....	176	
4,206	.....	177	
2,080	91	224	* The increase is due to the addition of the area of the Revised Working Plan of Matheran.
4,324	.....	298	
14,221	91	1,063	
404	.....	8	
1,528	.....	616	† Of these 183 miles were cleared by Forest Guards without cost to Government.
3,942	100	4	

FORM No. 53.—*Record of Demarcation*

Division.	Length of boundaries artificially demarcated during the year.	Length of previously existing boundaries repaired.	Length of previously existing boundaries not repaired.	Total length of artificially marked boundaries at the close of the year.	Length of boundaries still to be demarcated at the close of the year.	Length of natural boundaries not requiring artificial marks.
1	2	3	4	5	6	7
	Miles.	Miles.	Miles.	Miles.	Miles.	Miles.
SOUTHERN CIRCLE—*concluded.*						
Kánara, Southern D.	.....	20	4,779	4,799	.....	112
Do. Western D.	.....	66	1,774	1,840	10	152
Belgaum	.....	.....	1,936	1,936	66	137
Dhárwár-Bijápur ...	.....	983	573	1,555	9	38
Total, Southern Circle	.....	1,322	14,539	15,861	85	592
SIND CIRCLE.						
Sukkur	3	591	.....	594	.....	52
Shikarpur	6	457	.....	463	.....	80
Lárkána	20	411	.....	431	.....	86
Hyderabad	1	363	.....	364	.....	196
Karáchi	4	255	.....	259	.....	231
Total, Sind Circle ...	34	2,077	.....	2,111	.....	655
GRAND TOTAL, PRESIDENCY ...	43	25,195	14,533	39,771	93	2,826

and Maintenance of Boundaries, 1923-1924—concld.

Total length of boundaries at the close of the year.	Expenditure on Demarcation during the year.		Remarks.
	On new work.	On repairs.	
8	9	10	11
Miles.	Rs.	Rs.	
4,911	122	125	
2,002	.....	54	
2,139	.....	86	
1,602	.....	48	
16,528	222	941	
616	.....	.....	
553	.....	.....	
517	.....	.....	
560	.....	.....	
490	.....	.....	
2,736	.....	.....	
42,690	313	3,256	

FORM NO. 54.—*Statement showing Forest Areas Surveyed and under*

Division.	Topographical Surveys.						Ordinary Surveys not paid for by Forest Department.			
	Special Surveys paid for by Forest Department.									
	Previous.		Of the year.		Cost.		Previous.		Of the year.	
	4"=1 mile.	2"=1 mile.	4"=1 mile.	2"=1 mile.	Incurred during year.	Total to the end of year.	2"=1 mile.	Smaller scales.	2"=1 mile.	Smaller scales.
1	2	3	4	5	6	7	8	9	10	11
	Sq. m.	Sq. m.	Sq m.	Sq. m.	Rs.	Rs.	Sq. m.	Sq. m.	Sq. m.	Sq. m.
NORTHERN CIRCLE.										
Reserved Forests.										
Panch Mahâls	...	...	...	...	...	..... *	...	...	...	...
Surat	...	...	...	...	.....	2,509	...	...	..	...
North Thâna	...	...	...	...	.....	1,27,563	...	...	...	...
West Thâna	...	...		...	.....		...	...	...	...
East Thâna	...	...	...	...	.....		...	...	...	...
West Nâsik	...	...	...	...	.....	1,11,290	...	...	...	...
East Nasik	...	...	...	...	.....		...	...	...	...
Ahmedabad	...	...	...	...	.....	..... *	..	...	...	...
Total	...	...	..	...	.....	2,41,362	...	...	...	...
Protected Forests.										
Surat	...	...	...	...	.....	.....	...	...	...	...
North Thâna	...	...	...	...	.....	.....	...	..	...	...
West Thâna	...	...	...	...	.....	.....	...	...	...	...
East Thâna	...	...	...	...	.....	.....	...	...	..	...
West Nâsik	...	..	...	...	.....	.....	...	...	...	...
Total	...	...	...	..	.....	.....	...	...	...	...
Total, Northern Circle	...	...	..	...	.....	2,41,362	...	...	...	...
CENTRAL CIRCLE.										
Reserved Forests.										
East Khândesh	...	...	...	...		24,084	..	...	...	...
North Khândesh	...	...	...	...		63,694	...	...	...	...
West Khandesh	...	...	...	...		1,371	...	...	...	...
Poona	...	...	...	...		1,11,290	...	...	...	...
Kolâba	...	...	...	...		Not known.	...	...	...	...
Sâtâra	...	...	...	..		62,569	...	...	...	...
Nagar-Sholâpur	...	...	...	...		91,230	...	...	...	...
Total	...	...	...	...	.....	3,54,238	...	...	...	...
Protected Forests.										
Poona	...	...	...	...	...	.....	...	...	...	...
Kolâba	...	...	...	...	...	.....	...	...	...	...
Sâtâra	...	...	...	...	...	7,085	...	...	...	...
Total	...	...	...	...	.....	7,085	..	...	...	...
Total, Central Circle.	...	...	...	...	.....	3,61,323	...	...	...	...

Survey by the Survey of India Department during the year 1923-1924

Boundary Surveys.		Total area surveyed.	Area remaining to be surveyed.	Total area as per forms 51 and 51A.	Remarks.
Previous.	Of the year.				
12	13	14	15	16	17
L. m.	L. m.	Sq. m.	Sq. m.	Sq. m.	
...	...	331	...	331	* Not available.
...	...	433	...	433	
...	...	346	...	346	
...	...	289	...	289	
...	...	459	...	459	
...	...	329	...	329	
...	...	812	...	812	
...	...	19	...	19	
...	...	3,018	...	3,018	
...	...	327	...	327	
...	...	149	...	149	
...	...	101	...	101	
...	...	142	...	142	
...	...	97	...	97	
...	...	816	...	816	
...	...	3,834	...	3,834	
...	...	709	...	709	
...	...	871	...	871	
...	...	797	...	797	
...	...	983	...	983	
...	...	450	...	450	
...	...	704	...	704	
...	...	693	...	693	
...	...	5,207	...	5,207	
...	...	11	...	11	
...	...	72	...	72	
...	...	1	...	1	
...	...	84	...	84	
...	...	5,381	...	5,381	

FORM NO. 54.—*Statement showing Forest Areas Surveyed, year 1923-1924*

Division.	Topographical Surveys. Special Surveys paid for by Forest Department.						Ordinary Surveys not paid for by Forest Department.			
	Previous.		Of the year.		Cost.		Previous.		Of the year.	
	4"=1 mile.	2"=1 mile.	4"=1 mile.	2"=1 mile.	Incurred during year.	Total to the end of year.	2"—1 mile.	Smaller scales.	2"—1 mile.	Smaller scales.
1	2	3	4	5	6	7	8	9	10	11
	Sq. m.	Sq. m.	Sq. m.	Sq. m.	Rs.	Rs.	Sq. m.	Sq. m.	Sq. m.	Sq. m.
SOUTHERN CIRCLE.										
Reserved Forests.										
Kánara, Northern D.	...	...	...	...	.....	3,90,231	...	...	...	...
Do. Eastern D.	...	...	...	...	.....		...	...	..	...
Do. Central D.	...	...	...	...	.....		...	...	...	...
Do. Southern D.	...	...	...	...	.....		...	...	...	...
Do. Western D.	...	...	...	...	.....		...	...	...	...
Belgaum	...	...	...	...	.....	57,104	...	...	...	...
Dhárwár-Bijápur	...	...	...	...	.....	15,268	...	...	...	...
Ratnágiri	...	...	...	...	.....	581	...	...	...	...
Total	...	...	...	...	.....	4,63,184	...	...	...	...
Protected Forests.										
Kánara Northern D.	...	...	...	...	.....	.....	...	...	...	...
Do. Eastern D.	...	...	...	...	.....	.....	...	...	...	...
Do. Central D.	...	...	...	...	.....	.....	...	...	...	...
Do. Southern D.	...	...	...	...	.....	.....	...	...	...	...
Do. Western D.	...	...	...	...	.....	.....	...	...	...	...
Belgaum	...	...	...	...	.....	.....	...	...	...	...
Total	...	...	...	...	.....	.....	...	...	...	...
Total, Southern Circle	...	...	...	...	.....	4,63,184	...	...	...	...
SIND CIRCLE.										
Reserved Forest.										
Sukkur	...	...	...	...	.....	.....	...	...	...	...
Shikarpur	...	...	...	...	.....	.....	...	...	...	...
Lárkána	...	...	...	...	.....	.....	...	...	...	...
Hyderabad	...	...	...	...	.....	.....	...	...	...	...
Karachi	...	...	...	...	.....	.....	...	...	...	...
Total	...	...	...	...	.....	.....	...	...	...	...
Protected Forest.										
Sukkur	...	...	...	...	.....	.....	...	...	...	...
Shikarpur	...	...	...	...	.....	.....	...	...	...	...
Lárkána	..	...	...	...	.....	.....	...	...	...	...
Hyderabad	...	...	...	...	.....	.....	...	...	...	...
Karachi	...	...	...	...	.....	.....	...	...	...	...
Total	...	...	...	...	.....	.....	...	...	...	...
Total, Sind Circle	...	...	...	...	.....	.....	...	...	...	...
GRAND TOTAL, PRESIDENCY	...	...	...	...	.....	10,65,869	...	...	...	...

and under Survey by the Survey of India Department during the —contd.

Boundary Surveys.		Total area surveyed.	Area remaining to be surveyed.	Total area as per forms Nos. 51 and 51A.	Remarks.
Previous.	Of the year.				
12	13	14	15	16	17
L.m.	L.m.	Sq. m.	Sq. m.	Sq.m.	
...	...	335	...	335	
...	...	546	...	546	
...	...	723	...	723	
...	...	617	...	617	
...	...	835	...	835	
...	...	690	...	690	
...	...	331	276	607	
...	...	19	...	19	
...	...	4,104	276	4,380	
...	...	...	...	...	
...	...	21	...	21	
...	...	65	...	65	
...	...	107	...	107	
...	...	18	...	18	
...	...	...	...	...	
...	...	211	...	211	
...	...	4,315	276	4,591	
					No expenditure was incurred on Topographical survey of any tracts in Sind.
...	...	.....	284	284	
...	...	.....	225	225	
...	...	.....	185	185	
...	...	.....	231	231	
...	...	.....	198	198	
...	...	.....	1,103	1,103	
...	...	.....	14	14	
...	...	.....	5	5	
...	...	.....	5	5	
...	...	.....	16	16	
...	...	.....	21	21	
...	...	.....	61	61	
...	...	.....	1,164	1,164	
...	...	13,630	1,440	14,970	

Form No. 55.—*Progress made in Work*

Division.	Area under sanctioned Working Plans.					Area Wor
	At commencement of year.	Added during year.	Deducted during year.	At close of year.		Plans under preparation.
				Actual area.	Percentage of total forest area (as shown in column 10).	
1	2	3	4	5	6	7
NORTHERN CIRCLE.	Sq. m.	Sq. m.	Sq. m.	Sq. m.	Per cent.	Sq. m.
Reserved Forests.						
Panch Mahals	328	...	...	328	100	...
Surat	301	...	...	301	71	119
North Thána	346	...	...	346	100	...
West Thána	289	...	...	289	100	...
East Thána	458	...	...	458	100	1
West Násik	298	...	...	298	92	...
East Násik	579	...	...	579	77	.
Total ...	2,599	...	...	2,599	89	120
Protected Forests						
Surat	178	...	...	178	55	147
North Thána	...	...	..	...	.. ...	...
West Thána	.	...	...	...	.....	...
West Nasik	...	...	...	...	.....	90
Total ..	178	...	...	178	55	237
Total, Northern Circle ...	2,777	...	...	2,777	83	357
CENTRAL CIRCLE.						
Reserved Forests.						
East Khándesh	748	...	2 (a)	746	98	...
North Khándesh	564	...	...	564	61	...
West Khándesh	180	...	...	180	29	190½ (c)
Poona	320	...	...	320	57	...
Kolába	419	...	...	419	99	...
Sátára	80	9 (b)	...	89	17	...
Total ...	2,311	9	2	2,318	62	190½

ing Plans during the year 1923-1924.

NOT UNDER KING PLANS.		Total forest area in Form No. 51-B Total of columns 5, 7, 8 and 9.	REVISION.			Expenditure on Working Plans during the year.	Remarks.
Plans not under preparation.			Due or required.	In progress at end of year.	Revised plans sanctioned during year.		
Required at present.	Not required at present.						
8	9	10	11	12	13	14	15
Sq. m.	Sq. m.	Sq. m.	Sq. m.	Sq. m.	Sq. m.	Rs.	
...	...	328	...	328	...	64	
...	...	420	21	211	...	.....	
...	...	346	...	...	...	.....	
...	...	289	...	...	...	.....	
...	...	459	84	...	...	.....	
26	...	324	148	176	...	.....	
...	171	750	181	...	...	.....	
26	171	2,916	434	715	...	64	
2	...	327	...	178	...	.....	
1	...	1	...	...	...	.....	
12	...	12	...	...	...	.....	
...	...	90	...	...	...	.....	
15	...	430	...	178	...	.....	(a) Bhusawal Babul Blocks I and II handed over to Revenue Department.
41	171	3,346	434	178	...	64	(b) 305 Akrani. 2 Shirpur and Taloda.
...	15	761	...	...	...	.....	(c) 162 Nawapur and part of Nandurbar. 28½ Teak forest Sakri.
...	307 (b)	671	...	...	...	.....	(d) 249½ Scrub forest of Sakri, and part of Pimpalner and Dhulia.
249½ (d)	...	620	...	...	...	.....	(e) 67 Sangamner. 1 Dhond. 4 Catchment area of Shirvata Lake. 72
72 (e)	169 (f)	561	320 (g)	...	...	.....	(f) 169 Evergreen forest of Khed, Ambegaon and Junnar. (g) 320 Poona Teak, Babul and other Working Plans.
...	2	421	...	4·8	...	.....	(h) Mahableshwar forests. (i) Central Satara Teak and Scrub jungles and evergreen forests of Mahableshwar part and part of Patan and Shirala.
425 (i)	...	514	45 (j)	...	35 (k)	.....	(j) Karad, Patan Shirala Teak. (k) Mahableshwar.
746½	493	3,748	365	418	35	.....	

FORM NO. 55.—*Progress made in Wor*

Division.	Area under sanctioned Working Plans.					Area Wor
	At commencement of year.	Added during year.	Deducted during year.	At close of year.		Plans under preparation.
				Actual area.	Percentage of total forest area (as shown in column 10).	
1	2	3	4	5	6	7
	Sq. m.	Sq. m.	Sq. m.	Sq. m.	Per cent.	Sq. m.
CENTRAL CIRCLE.						
Protected Forests.						
Poona	...	...	...	...	.....	11
Sátara	...	1	...	1	.....	...
Total ...	...	1	...	1	.....	11
Leased Forests.						
Sátára ...	...	1	...	1	.....	...
Total, Central Circle ...	2,311	11	2	2,320	62	201½
SOUTHERN CIRCLE.						
Reserved Forests.						
Kánara, Northern Division ...	320	1 (*a*)	...	321	96	...
Do. Eastern do. ...	371	...	1 (*c*)	370	68	1½
Do. Central do. ...	259	...	...	259	36	...
Do. Southern do. ...	89	...	...	89	14	61
Do. Western do. ...	259	...	...	258	30	...
Belgaum do. ...	332	...	..	332	48	...
Dhárwár-Bijápur do. ...	116	1 (*d*)	...	117	26	287
Total, Southern Circle ...	1,745	2	1	1,746	41	302
SIND CIRCLE.						
Reserved Forests.						
Sukkur	241	...	1	240	91	...
Shikárpur	208	...	1	207	92	...
Lárkána	164	...	...	164	89	...
Hyderabad	223	...	1	222	96	...
Kárachi	194	...	6	188	95	...
Total ...	1,030	...	9	1,021	93	...
Protected Forests.						
Sukkur	...	...	...	...	.....	...
Shikárpur	1	...	1	...	.....	...
Larkana	...	...	...	...	.....	...
Hyderabad	...	...	...	...	.....	...
Karáchi	5	3	...	8	38	...
Total ...	6	3	1	8	38	...
Total, Sind Circle ...	1,036	3	10	1,029	88	...
GRAND TOTAL, PRESIDENCY ...	7,869	16	13	7,872	63	920½

king Plans during the year 1923-1924—concluded.

NOT UNDER KING PLANS.			REVISION.				
Plans not under preparation.		Total forest area in Form No. 61-B. (Total of Columns 5, 7, 8 and 9.)	Due or required.	In progress at end of year.	Revised Plans sanctioned during year.	Expenditure on Working Plans during the year.	Remarks.
Required at present.	Not required at present.						
8	9	10	11	12	13	14.	15.
Sq. m.	Sq. m.	Sq. m.	Sq. m.	Sq. m.	Sq. m.	Rs.	
...	...	11	...	...	...	.....	
...	...	1	...	...	...	.....	
...	...	12	...	...	...	.....	
...	...	1	...	...	...	.....	
746½	493	3,761	365	418	35	.....	
...	14	335	236	...	...	15,633	(a) An area of 579 and 22 acres was added to Haliyal Teak Pole Plan and Bhagwati Plan respectively during the year and an area of 60 acres was excluded from the Haliyal Teak Pole Plan.
...	158	542	16	...	...	.....	
...	463	722	29	5 (e)	...	.....	
57	410	617	9	...	...	.....	
...	590	848	...	47 (f)	...	.....	
249	116	697	168	...	...	.....	
...	49	453	...	...	...	.....	
306	1,800	4,214	458	52	...	15,633	(c) Transferred to Dharwar-Bijapur Division.
							(d) Transferred from Kanara Eastern Division.
							(e) Area of Sirsi Town Fuel Working Plan.
...	24	264	...	...	...	.....	(f) Area of Gund Working Circle and Casuarina Plantation Plan.
1	17	225	...		...	.....	
...	21	135	...	...	...	.....	
7	2	231	...	...	...	.....	
...	10	198	...	...	...	.....	
8	74	1,103	...	...	...	.....	
...	14	14	...	...	...	.....	
...	5	5	...	...	...	.....	
...	5	5	...	...	...	.....	
...	16	16	...	...	...	.....	
...	13	21	...		...	.....	
...	53	61	...	...	...	.....	
8	12	1,164	...	...	...	...	
1,101½	2,591	12,485	1,257	648	35	15,697	

FORM No. 55-A.—*Abstract of Control Books for Working Plans for the year 1923-24.*

Division.	Name of Working Plan.	Year in which sanctioned.	Area up to date.		Brief statement of reasons for arrears.
			To be worked.	Actually worked.	
1	2	3	4	5	
NORTHERN CIRCLE.			Acres.	Acres.	
Panch Mahals.	Godhra ...	1895, modified in 1905 and under revision from 1923.	2,889	2,889	
	Kalol ...	1905 and under revision from 1923.	605	605	
	Halol ...	1906 and under revision from 1923.	1,585	1,585	
	Dahod ...	1901, modified in 1910 and under revision from 1922.	3,627	3,610	One coupe remained unsold.
	Zhalod ..	Do. ...	2,200	2,200	
	Mandvi ...	1910 ...	14,579	14,579	
Surat ...	Bulsar ...	1910 ...	2,028	2,028	One coupe remained unsold.
	South Dangs ...	1916 ...	22,812	20,580	Two coupes remained unsold. The working plan is under revision and the cuttings except in four blocks of South Dangs are not in the order laid down in the old working plan 691 acres of Protected Forest Block II coupe 2 Kosambda were worked.
	North Dangs ...	1914 ...	23,917	12,601	
	Baragaon Dangs, Northern Point.	1906 ...	7,838	7,838	
North Thána ...	Thána Forest Working Plan.	Sanctioned in 1921-22 but introduced in 1917-18.	19,931	19,919	Twelve acres of a coupe remained unworked.
West Thána...	Do. ...	Do. ...	16,015	15,330	Thirteen coupes not worked being unsaleable and 94 acres remained unworked being very difficult.
	Kandiwli Fuel ...	1899 ..	92	92	
East Thána ...	Thána Working Plan.	Started in 1917-18 but sanctioned in 1922-23.	18,075	17,070	Coupes remained unsold being far away from the Stations and containing poor growth.
	Igatpuri ...	1912 ...	16,262	14,018	
West Násik ...	Násik ...	1905 ...	9,903	3,883	Some coupes remained unsold as they do not pay to extract as there are no facilities for extraction cuttings restricted till the completion of road plan.
	Dindori ...	Do. ...	21,006	13,724	
	Point ...	Do. ..	55,747	45,374	
East Násik ...	Malegaon (Anjan Working Plan).	Do. ...	35,209	25,167	Poor stock and therefore no offers.
	Baglan (Teak Working Plan).	Do. ...	27,985	9,474	
	Baglan (Scrub Working Plan).	Do. ...	18,403	5,464	
	Kalwan (Teak Working Plan).	Do. ...	26,765	20,239	
	Kalwan (Scrub Working Plan).	Do. ...	5,505	2,361	
	Chandwad (Scrub Working Plan).	1906 ...	8,592	3,578	
	Sinnar Teak ..	1912 ...	1,151	860	
	Kopergaon Babul..	1901 ...	1,070	1,948	

FORM NO. 55-A—*contd.*

Division.	Name of Working Plan.	Year in which sanctioned.	Area up to date.		Brief statements of reasons for arrears.
			To be worked.	Actually worked.	
1	2	3	4	5	
CENTRAL CIRCLE.	*Satpuda Working Plan.*	1921	A. g.	A. g.	
	Anjan Working Circle	.....	22,949 0	11,471 0 (a)	(a) Poor and inaccessible coupes not being sold.
	Teak Pole ...	.....	14,036 0	9,619 0 (a)	
	Teak Timber ...	.....	7,490 0	... ...(b)	(b) No demand in the absence of adequate lines of communications.
East Khándesh.	Satmala Teak and mixed forests of Chalisgaon.	1909	6,193 0	3,638 0	
	Anjan and Sorub, Edlabad.	1914	14,957 0	9,738 0	
	Transpurna Babul, Edlabad.	1915	862 0	464 0	
	Jamner Babul ...	1905	475 0	329 0	
	Kothali Babul Provisional Working Plan.	1915	15 0	15 0	
	Satpuda Working Plan.	1921			
North Khándesh.	Anjan Working Circle.	.....	2,376 0	2,092 0 (c)	(c) Difference is due to the fact that some coupes being inaccessible and inexploitable were not worked. Some coupes remained unsold owing to poor stock.
	Mixed fuel ,, ...	.....	12,379 0	10,926 8	
	Teak pole ,, ...	.....	20,613 20	22,092 20	
	Teak timber ...	.....	3,316 24	3,285 18	
				A. g.	
West Khándesh.	Deomogra Teak ...	1904	13,892 28	13,755 33 (d)	(d) 136-35. Not worked by the contractor.
	Anjan Working Plan ...	1914	16,711 24	16,711 24 (e)	(e) For various reasons.
	Umerpata Teak ...	1915	11,457 0	9,171 0	
Poona ...	Poona Teak ...	1903	44,326 3	33,698 29 (f)	(f) 342-23 remained unworked as full contract sum was not received. 7,113 acres remained to be sold on account of the growth being immature.
	Poona Babul ...	1902	7,703 33	6,681 27	
	Mulshi Raiwal ...	1915	3,307 33	3,029 39	
	Sub-ghat mixed ...	1915	486 0	486 0	
	Lonavla and Khandala.	1908	7,338 27	5,445 27 (f)	(f) Areas being too sparsely wooded.
	Ahmednagar Teak ...	1905	31,212 15	10,125 0 (g)	(g) The plan was suspended from 1910 to 1917.
Kolába ...	Matheran Plateau ...	1922	61 15	61 15	
	Casuarina ...	1920	11 25	5 35(h)	(h) 5-30 remained unworked as the contractor failed to pay remaining 3/4 contract sum.
	Teak	1907	69,229 0	61,593 0 (i)	(i) 180-17 acres remained to be sold owing to low prices being offered.
Sátára ...	Mahabaleshwar Plateau.	1923-24	921 12	533 19 (j)	(j) Owing to the demand for fuel being limited only such areas would meet this demand was exploited.
	Karad, Patan and Shirala Teak.	1907-08	12,753 21	11,406 24 (k)	(k) Difference is due to some coupes not being worked on account of poor stocking and inaccessibility.

FORM No. 55-A—*contd.*

Division.	Name of Working Plan.	Year in which sanctioned.	Area up to date.		Brief statement of reasons for arrears.
			To be worked.	Actually worked.	
1	2	3	4	5	
SOUTHERN CIRCLE.			Acres.	Acres.	
Kánara, N. D.	Supa High Forest Plan, Series I to VII.	1895	111,511	103,328	The areas given out previously are not completely worked out and hence are not included in the area actually worked.
	Bhagvati Plan, Blocks VIII, IX and XX.	1916	16,308	4,906	This Plan has been abandoned and the area is being worked under the clear felling system.
	Haliyál Teak Pole Plan.	1904	15,797	15,658	Coupes Nos. 17 of Block IV and VI were worked departmentally for sleeper pieces in 1923-24 but not sold until 1924-25.
	Plan of Block VII-A ...	1915	474	474	
	Gund Plan, Series XI (part).	1896	9,282	...	Coupe 23 having an area of 580 acres is taken in hand in 1923-24.
Do. E. D.	Yellápur Slopes Plan ...	1905	4,868	4,690	For want of contractors.
	Yellápur above Ghat Plan.	1905	98,623	71,014	Suspended by revised Working Plan of Yellapur-Mundgod High Forests.
	Mundgod High Forest Plan.	1908	39,033	20,678	
	Mundgod Teak Pole Plan.	1909	12,419	13,260	Due to area not felled owing to poor growth.
	Kirwatti Teak Pole Plan.	1916	1,286	1,116	Suspended by Revised Working Plan of Yellapur-Mundgod High Forests.
	Bankapur Haugal Plan.	1917	5,824	4,448	Some coupes not sold on account of poor growth.
	Yellapur Mundgod High Forest Working Plan.	1922	4,152	2,009	Lack of contractors and establishment prevent work being undertaken in all blocks.
Do. C. D.	Yekambi-Sonda High Forest Plan.	1915	17,604	10,118	Held in abeyance under Government orders owing to transport difficulties.
	Ankola Kumta Coast Plan.	1911	7,280	3,975	Some coupes were not sold on account of poor growth and coupes 12 and 13 of Blocks VII to IX and XI to XIV were not worked owing to their inclusion in the new minor forests opened for privileges.
	Sirsi Town Fuel Plan ...	1911	1,531	391	No demand for coupes.
	Arbail Slopes High Forest Block XII.	1918	3,254	900	For want of labour and failure of contractor.
	Ankola High Forest Blocks XXIV and XXV.	1908	15,770*	12,191	*Area shown in last year's form was not correct. Some of the compartments being outside the scope of economic working on account of transport difficulties.

FORM No. 55-A—*contd.*

Division.	Name of Working Plan.	Year in which sanctioned.	Area up to date. To be worked.	Area up to date. Actually worked.	Brief statement of reasons for arrears.
1	2	3	4	5	
SOUTHERN CIRCLE—*contd.*			Acres.	Acres.	
	Honáwar Tali Palm Plan.	1909	13,071	13,071	
	Kasarkod Casuarina Plantation Plan.	Old 1911 Revised 1923	61*	47	*Area corrected as per revised felling list. One coupe not sold on account of poor offer.
Kanara, S. D. ...	Soppinhosalli High Forest Plan.	1913	7,456	5,570	Want of labour and failure of contractors to carry out the work.
	Chandawar Fuel Plan...	1915	2,007	1,638	Forests under this plan have been classed as minor open to privileges.
	Ankola Kumta Coast Plan.	1911	1,494	931	Poor growth and want of communications.
	Gund Working Plan ...	1896	21,965	9,930	Want of communications and failure of contractors.
	Kalinadi Slopes Working Plan.	1911	9,261	11,686	Improvement fellings were carried out in compartments 5, 8 to 15 for supply of G. I. P. Railway Indent.
	Supa Fuel Working Plan.	1906	Not prescribed.	7,827	
Do. W. D. ...	Kárwár Fuel Working Plan.	1903	19,342	15,215	Blocks XIII and XIV are left for privileges. Want of bids for some coupes.
	Karwár Casuarina Plantation Plan.	1911	114	206	Excess due to unregulated fellings for war supply in 1918.
	Kadra Mardi and Sulgeri Teak Plantation Plans	1910	713	713	
	Golihalli-Godoli Teak Pole Working Plan.	1900	5,100	5,100	
	Khánápur Fuel Reserves.	1903	46,064	42,399	Difficulty of labour and transport.
Belgaum	Varkinad Hemadge Plan.	1906	2,571	1,928	
	Gokák Fuel Plan ...	1916	40,006	39,280	Due to coupes remaining unsold.
	Nasargali High Forest Plan ...	1915	2,794	2,511	Want of labour and unsatisfactory work by contractors.
	Bankapur Hangal Plan (Blocks XI to XV) ...	1918	2,202	2,204	Difference found out while actually laying out coupes.
Dhárwár-Bijápur	Dharwar Working Plan (Blocks I to VIII) ...	1900	14,788	14,783	
	Kalgbatgi Plan ...	1917	6,756	6,872	Excess due to four advance coupes having been sold.
SIND CIRCLE.					
Sukkur ...	Revised Working Plan.	1923-24	27,478	26,285	Due to non-sale of certain coupes of 1922-23 of Pano Akil and certain coupes of 1922-23 and 1923-24 of Mirpur Range owing to low prices offered.
Shikárpur ...	Do. ...	...	17,515	17,065	Due to actual measurement on the ground in Rek and Shikarpur Range and to non-disposal of certain coupes of 1922-23 and 1923-24 owing to low prices offered.
Larkana ...	Do. ...	...	16,299	15,352	Due to actual measurement on the ground and to non-disposal of certain coupes of 1923-24 owing to low prices offered.
Hyderabad ...	Do. ...	1916-17	25,013*	24,110	Due partly to non-exploitation of coupes by the contractor and partly to reservation of coupes containing Lac.
Karáchi ...	Do. ...	1916-17	33,196	31,384	Due to area of blanks having been kept apart for reboisement.

*Due to insertion of corrected figures.

FORM No. 56.—*Statement showing communications*

Division.	New works				
	Buildings.				
	Expenditure on				Total expenditure incurred.
	Head-Quarter houses.	Rest houses.	Houses for Subordinate establishment.	Others.	
1	2(*a*)	2(*b*)	2(*c*)	2(*d*)	3
	Rs.	Rs.	Rs.	Rs.	Rs.
NORTHERN CIRCLE.					
Direction 52A loan	*30,000*	.....	.....	.....	*30,000*
Panch Mahals	.....	.....	.....	.....	.....
Surat—					
8 forest	.....	.....	3,501	.....	3,501
52 A loan	.....	.....	*5,220*	.....	*5,220*
North Thána—					
8 forest	.....	.....	562	.....	562
52 A loan	.....	.....	.....	.....	.....
West Thána	.....	.....	.....	.....	.....
East Thána—					
8 forest	.....	.....	.....	.....	.....
52 A loan	.....	.....	.....	.....	.....
West Násik—					
8 forest	.....	5,111	2,126	.....	7,237
52 A loan	.....	.....	.....	.....	.....
East Násik—					
8 forest	.....	.....	.....	.....	.....
52A loan	.....	.....	.....	.....	.....
Total, Northern Circle—					
8 forest	.....	5,111	6,189	.....	11,300
52 A loan	*30,000*	.....	*5,220*	.....	*35,220*
CENTRAL CIRCLE.					
East Khándesh	.....	.....	.....	.....	.....
North Khándesh	.....	.....	.....	.....	.....
West Khándesh—					
8 forest	.....	.....	200	.....	200
52 A loan	.....	.....	.....	.....	.....
Poona	.....	.....	.....	.....	.....
Kolába—					
8 forest	.....	86	.....	.....	86
52 A loan	.....	.....	.....	.....	.....
Sátára	.....	.....	.....	.....	.....
Total, Central Circle—					
8 forest	.....	86	200	.....	286
52 A loan	.....	.....	.....	.....	.....

and buildings during the year 1923-24.

undertaken during the year.

Roads and paths.								Other works.	
Cart roads.		Bridle paths.		Others.		Total length of paths or roads.	Total expenditure incurred.	Expenditure incurred.	Total expenditure on new works.
Length.	Cost.	Length.	Cost.	Length.	Cost.				
4(a)	4(b)	4(c)	4(d)	4(e)	4(f)	5	6	7	8
Miles.	Rs.	Miles.	Rs.	Miles.	Rs.	Miles.	Rs.	Rs.	Rs.
...	...	...	...	...	...	...	...	.....	*30,000*
...	...	...	...	...	...	...	...	.....	.....
...	...	...	...	...	...	...	...	.....	3,501
7	*11,805*	...	...	...	...	*7*	*11,805*	.....	*17,025*
...	...	...	...	...	...	...	...	.....	562
...	*9,613*	...	...	...	...	...	*9,613*	.....	*9,613*
...	...	...	...	...	...	...	...	.....	.....
...	...	...	...	...	...	...	...	.....	.....
...	*258*	...	...	...	...	...	*258*	.....	*258*
...	...	...	...	...	...	...	...	.....	7,237
...	*1,713*	...	...	...	...	...	*1,713*	.....	*1,713*
...	...	...	..	...	...	...	...	.....	.....
2	*1,410*	...	...	...	...	*2*	*1,410*	.....	*1,410*
...	...	...	..	...	...	...	...	.....	11,300
9	*24,799*	...	...	...	..	*9*	*24,799*	.....	*60,019*
...	...	...	...	..	...	...	...	.....	.....
...	...	...	...	...	...	...	...	.....	.....
...	...	...	...	...	...	...	...	50	250
1	*2,790*	...	...	...	...	*1*	*2,790*	.....	*2,790*
...	...	...	...	...	...	...	...	.....	.....
...	300	...	...	...	...	...	300	.....	386
...	*2,000*	...	...	...	...	...	*2,000*	.....	*2,000*
...	...	...	...	...	...	...	...	.....	.....
...	300	...	...	...	...	...	300	50	636
1	*4,790*	...	...	...	...	*1*	*4,790*	.....	*4,790*

FORM No. 56.—*Statement showing communications*

Division.	Repairs				
	Buildings.				
	Expenditure on				
	Head Quarter houses.	Rest houses.	Houses for subordinate establishment.	Others.	Total expenditure incurred.
	9(*a*)	9(*b*)	9(*c*)	9(*d*)	10
NORTHERN CIRCLE.	Rs.	Rs.	Rs.	Rs.	Rs.
Direction 52A loan	.....	.....	.....	.....	.....
Panch Mahâls	475	.....	499	.....	974
Surat—					
8 forest	.....	1,657	1,727	.....	3,384
52 A loan	.....	.....	.....	.....	.....
North Thana—					
8 forest	.....	.....	859	.....	859
52 A loan	.....	.....	.....	.....	.....
West Thana	.....	.....	814	.....	814
East Thana—					
8 forest	186	13	307	126	632
52 A loan	.....	.....	.....	.....	.....
West Nasik—					
8 forest	.....	269	430	.....	699
52 A loan	.....	.....	.....	.....	.....
East Nasik—					
8 forest	.....	.....	1	.....	1
52 A loan	.....	.....	.....	.....	.....
Total, Northern Circle—					
8 forest	661	1,939	4,637	126	7,363
52 A loan	.....	.....	.....	.....	.....
CENTRAL CIRCLE.					
East Khandesh	98	2,954	1,912	457	5,421
North Khandesh	.....	491	361	.....	852
West Khandesh—					
8 forest	268	25	277	89	650
52 A loan	.....	.....	.....	.....	.....
Poona	36	22	349	20	427
Kolaba—					
8 forest	.....	32	1,377	.....	1,459
52 A loan	.....	.....	.....	.....	.....
Satara	450	437	367	.....	1 254
Total, Central Circle—					
8 forest	852	4,011	4,643	557	10,063
52 A loan	.....	.....	.....	.....	.....

and buildings during the year 1923-24.

executed during the year.

Roads and paths.								Other works.		Remarks.
Cart roads.		Bridle paths.		Others.		Total length of paths or roads.	Total expenditure incurred.	Expenditure incurred.	Total expenditure incurred.	
Length.	Cost.	Length.	Cost.	Length.	Cost.					
11(a)	11(b)	11(c)	11(d)	11(e)	11(f)	12	13	14	15	16
Miles.	Rs.	Miles.	Rs.	Miles.	Rs.	Miles.	Rs.	Rs.	Rs.	
...	...	...	...	...	...	...	...	...	...	
...	...	...	...	...	...	...	...	263	1,237	
299	6,885	...	...	...	...	299	6,885	1,129	11,398	
...	...	...	...	...	...	...	...	...	...	
	161	...	...	...	...	1	161	28	1,043	
...	...	...	...	...	...	...	...	...	...	
12	699	...	...	...	...	12	699	249	1,762	
21	951	...	...	...	...	21	951	34	1,617	
...	...	...	...	...	...	...	...	...	...	
41	1,573	...	...	...	...	41	1,573	35	2,307	
...	...	...	...	...	...	...	...	...	...	
...	...	...	...	...	...	...	...	...	1	
...	...	...	...	...	...	...	...	...	...	
374	10,269	...	...	...	...	374	10,269	1,738	19,870	
...	...	...	...	...	...	...	...	...	...	
10	689	...	...	...	...	10	689	134	6,241	
45	957	134	1,339	...	...	179	2,296	35	3,183	
11	229	...	...	...	...	11	229	53	932	
...	...	...	...	...	...	...	...	...	...	
3	75	...	...	...	...	3	75	...	502	
6	105	...	...	...	...	6	105	...	1,564	
...	...	...	...	...	...	...	...	...	...	
2	38	...	...	...	...	2	38	105	1,397	
77	2,093	134	1,339	...	...	211	3,433	327	13,822	
...	...	...	...	...	...	...	...	...	...	

FORM No. 56.—*Statement showing communications*

Division.	New works				
	Buildings.				
	Expenditure on				Total expenditure incurred.
	Head-Quarter houses.	Rest houses.	Houses for Subordinate establishment.	Others.	
1	2(a)	2(b)	2(c)	2(d)	3
SOUTHERN CIRCLE.	Rs.	Rs.	Rs.	Rs.	Rs.
Direction ... 8 Forests.	.....	.....	.....	.....	.....
Direction ... 52 A. F. C. A.	.....	.....	.....	.....	.....
Kanara, Division. Northern 8 Forests.	.....	.....	.....	2,601	2,601
Kanara, Division. Northern 52 A. F. C. A.	.....	.....	.....	.....	.....
Kánara, Division. Eastern 8 Forests.	.....	3,363	185	.....	3,548
Kánara, Divsion. Eastern 52 A. F. C. A.	.....	.....	.....	.....	.....
Kánara, Division. Central 8 Forests.	.....	.....	2,659	.....	2,659
Kánara, Division. Central 52 A. F. C. A.	.....	.....	.....	.....	.....
Kánara, Division. Southern 8 Forests.	.....	.....	.....	5,000	5,000
Kánara, Division. Southern 52 A. F. C. A.	.....	.....	.....	.....	.....
Kánara, Division. Western 8 Forests.	.....	170	.....	.....	170
Kánara, Division. Western 52 A. F. C. A.	.....	.....	.....	.....	.....
Belgaum ... 8 Forests.	.....	.....	4,683	460	5,143
Dhárwár-Bijápur ... 8 Forests.	.....	1,623	.....	.....	1,623
Dhárwár-Bijápur ... 52 A. F. C. A.	.....	.....	.....	3,080	3,080
Total, Southern Circle— 8 Forests.	.....	5,156	7,527	8,061	20,744
Total, Southern Circle— 52 A. capital outlay.	.....	.....	.....	3,080	3,080
SIND CIRCLE.					
Sukkur	.....	.....	.....	.....	.....
Shikárpur	.....	.....	.....	.....	.....
Lárkána	.....	.....	1,500	.....	1,500
Hyderabad	.....	.....	.....	.....	.....
Karáchi	.....	.....	.....	.....	.....
Total, Sind Circle	.....	.....	1,500	.....	1,500
Forest Division. Engineering 8 Forests.	2,764	1,346	1,178	19,033	24,321
Forest Division. Engineering 52 A.	.....	.....	.....	1,503	1,503
Grand Total Presidency— 8 Forests.	2,764	12,199	16,594	27,094	58,651
Grand Total Presidency— 52 A.	30,000	.....	5,220	4,583	39,803

and buildings during the year 1923-24—contd.

undertaken during the year.

Roads and paths.								Other works.	
Cart roads.		Bridle paths.		Others.		Total length of paths or roads.	Total expenditure incurred.	Expenditure incurred.	Total expenditure on new works.
Length.	Cost.	Length.	Cost.	Length.	Cost.				
4(a)	4(b)	4(c)	4(d)	4(e)	4(f)	5	6	7	8
Miles.	Rs.	Miles.	Rs.	Miles.	Rs.	Miles.	Rs.	Rs.	Rs.
.....	...	...	...	...	...	.....	...	...	.....
.....	...	...	...	...	...	.....	...	...	.....
M. F. 6-6	1,530	...	...	...	...	M. F. 6-6	1,530	20	4,151
	10,840	...	...	...	...		10,840	...	10,840
0-4½ 1 culvert	2,797	...	...	...	...	0-4½ 1 culvert	2,797	...	6,345
M. F. 2-3 2 bridges 3 culverts.	27,421	...	...	...	...	M. F. 21-3 2 bridges 3 culverts.	27,421	...	27,421
...	...	...	...	...	...	.....	...	48	2,707
M. F. 2-0	4,397	...	...	...	...	M. F. 2-0	4,397	...	4,397
.....	...	...	...	...	...	.....	...	...	5,000
M. F. 0-6	2,905	...	...		...	0-6	2,905	...	2,905
.....	962	...	...	...	...	.....	962	255	1,397
.....	13,648	...	...	...	...	.....	13,648	...	13,648
.....	...	...	...	...	...	.....	...	...	5,143
.....	...	...	...	...	...	.....	...	...	1,623
3-0	2,480	...	...	...	...	3-0	2,480	...	5,560
M. F. 34-3½ 4 culverts 2 bridges.	5,289	...	...	...	...	M. F. 34 3½ 4 culverts 2 bridges.	5,289	323	26,356
	61,691	...	...	...	...		61,691	...	64,771
.....	...	...	...	...	...	.....	...	81	81
.....	...	...	...	...	...	.....	...	...	.....
.....	...	...	...	...	...	.....	...	771	2,271
.....	...	...	...	...	...	.....	...	...	.....
.....	...	...	...	...	...	.....	...	...	.....
.....	...	...	...	...	...	.....	...	852	2,352
.....	...		...	22½	12,025	22½	2,025	3,468	30,314
6	8,312	...	...	15	48,800	21	57,612	...	59,115
.....	5,589	...	...	22	2,025	22	7,614	4,693	70,958
16	1,00,092	...	...	15	48,800	21	1,48,892	...	1,88,695

FORM

Division.	New works				
	Buildings.				
	Expenditure on				
	Head Quarter houses.	Rest houses.	Houses for Subordinate establishment.	Others.	Total expenditure incurred.
	9(a)	9(b)	9(c)	9(d)	10
SOUTHERN CIRCLE.	Rs.	Rs.	Rs.	Rs.	Rs.
Direction ... 8 Forests.	177	... ..	.....	.....	177
Direction ... 52 A. F. C. A.	.....	.....	.....	.....	.....
Kanara, Northern Division. 8 Forests.	86	98	866	440	1,490
Kanara, Northern Division. 52 A. F. C. A.	.....	.....	.....	.....	.....
Kanara, Eastern Division. 8 Forests.	.....	247	1,254	44	1,545
Kanara, Eastern Division. 52 A. F. C. A.	.....	.....	.....	.....	.....
Kanara, Central Division. 8 Forests.	140	682	462	.....	1,284
Kanara, Central Division. 52 A. F. C. A.	.....	.....	.....	.....	.....
Kanara, Southern Division. 8 Forests.	352	603	321	.....	1,276
Kanara, Southern Division. 52 A. F. C. A.	.....	.....	.....	.....	.....
Kanara, Western Division. 8 Forests.	.....	569	777	.....	1,346
Kanara, Western Division. 52 A. F. C. A.	.....	.....	.....	.....	... ..
Belgaum ... 8 Forests.	318	117	450	.....	885
Dharwar-Bijapur ... 8 Forests.	23	257	835	.....	1,115
Dharwar-Bijapur ... 52 A. F. C. A	.....	.....	.....	... ..	.....
Total, Southern Circle— 8 Forests.	1,096	2,573	4,965	484	9,118
Total, Southern Circle— 52 A. capital outlay.	.....	.....	.....	.....	.....
SIND CIRCLE.					
Sukkur	259	44	260	162	725
Shikarpur	.....	81	264	.....	345
Larkana	.....	.....	.....	.....	.....
Hyderabad	722	478	57	.....	1,257
Karachi	470	95	149	.....	714
Total, Sind Circle	1,451	698	730	162	3,041
Forest Engineering Division. 8 Forests.	.....	.....	654	.....	654
Forest Engineering Division. 52 A.	.....	...	.....	.....	.....
Grand Total Presidency— 8 Forests.	4,060	9,221	15,629	1,329	30,239
Grand Total Presidency— 52 A.	.....	.....	.....	.....	.....

No. 56—*concld.*

undertaken during the year.

Roads and paths.								Other works.	Total expenditure incurred.	Remarks.
Cart road.		Bridle paths.		Others.		Total length of paths or roads.	Total expenditure incurred.	Expenditure incurred.		
Length.	Cost.	Length.	Cost.	Length.	Cost.					
11(*a*)	11(*b*)	11(*c*)	11(*d*)	11(*e*)	11(*f*)	12	13	14	15	16
Miles.	Rs.	Miles.	Rs.	Miles.	Rs.	Miles.	Rs.	Rs.	Rs.	
...	...	...	...	...	...	...	...	...	177	
...	...	...	...	...	...	...	...	...	...	
M. F. 87-3	(*a*) 41,022	...	...	...	70	M. F. 87-3	41,092	(*b*) 2,572	45,154	(*a*) Includes Rs. 10,000 contribution to District Local Board
...	...	...	...	...	...	...	...	...	...	
M. F. 28-0 3 culverts.	(*c*) 6,061	...	...	...	...	28-0	6,061	732	8,233	(*b*) Includes Rs. 922 on account of telephone rent.
...	...	...	...	...	...	...	...	...	...	
M. F. 11-0	812	...	...	...	...	110	812	57	2,153	
...	...	...	...	...	...	...	...	...	...	(*c*) Includes Rs. 5,000 contributed to District Local Board.
9-0	699	...	...	...	38	9-0	737	74	2,087	
...	...	...	...	...	...	...	...	...	...	
...	(*d*) 14,812	...	...	...	...	...	14,812	...	16,158	(*d*) Including Rs. 10,000 contribution to District Local Board.
...	...	...	...	...	...	...	...	...	...	
24-3	2,054	...	...	...	...	24-3	2,054	80	3,019	
...	1,510	...	...	...	...	...	1,510	443	3,068	
...	...	...	...	...	...	...	...	...	...	
M. F. 159-6	66,970	...	...	...	108	159-6	67,078	3,958	80,154	
...	...	...	...	...	...	...	...	...	...	
...	...	...	...	...	...	...	...	100	825	
...	...	...	...	...	...	...	...	719	1,064	
...	...	...	...	...	...	...	...	768	768	
...	...	...	...	...	..	...	...	302	1,559	
...	...	...	...	...	...	...	...	3,749	4,463	
...	...	...	...	...	...	...	...	*5,638	8,619	* This includes Rs. 1,929 paid to Public Works Department for supply of water in the Shikarpur, Larkana and Karachi Divisions.
...	...	...	...	...	173	...	173	97	924	
...	...	...	...	...	...	...	...	...	...	
611	79,3[illegible]2	135	1,339	...	291	746	60,952	11,758	1,22,949†	† This expenditure is in connection of Survey work.
...	...	...	...	...	...	...	...	...	...	

FORM NO. 57.—*Statement showing register of breaches*

Forest Division.	Cases pending from previous year.			New cases		
				Injury to forest by fire.		
	A.	B.	All.	A.	B.	C.
1	2	3	4	5	6	7
NORTHERN CIRCLE.						
Panch Mahás ...	(*a*) 2	(*a*) 31	33	2	10	126
Surat ...	...	(*c*) 12	12	2	16	4
North Thána ...	...	(*c*) 67	67	2	12	94
West Thána ...	(*c-b*) 18	(*b*) 34	52	5	6	87
East Thána ...	15	...	15	12	9	96
West Násik ...	(*a*) 4	(*a*) 42	46	...	9	48
East Násik ...	(*a*) 2	(*a-c*) 20	22	...	8	8
Total, Northern Circle ...	41	206	247	23	70	463
CENTRAL CIRCLE.						
East Khándesh ...	12	36	48	1	18	50
North Khándesh ...	(*a*) 7	(*a*) 55	62	4	31	33
West Khándesh ...	...	45	45	15	4	38
Poona ...	(*b*) 3	(*c e-f*) 86	89	...	19	68
Kolába ...	5	139	144	4	20	66
Sátára ...	(*a*) 13	(*a c*) 169	182	1	15	40
Total, Central Circle ...	40	530	570	25	107	295

(*A*) Means cases taken into Court.
(*B*) Do. compounded and let off with warning.
(*C*) Do. undetected.

of Forest Rules during the year 1923-24.

of the year.

Unauthorized felling.			Unauthorized grazing.			Other offences.			Total.		
A.	B.	C.	A.	B.	C.	A.	B.	C.	A.	B.	C.
8	9	10	11	12	13	14	15	16	17	18	19
2	505	104	4	535	...	1	15	...	9	1,055	230
...	42	3	...	11	...	...	7	1	2	76	8
2	179	66	...	327	2	...	40	...	4	558	162
18	274	84	9	287	1	...	43	1	32	610	173
7	247	145	3	213	34	5	47	22	27	516	297
5	192	8	3	122	...	2	25	...	10	348	56
4	361	69	1	255	...	...	86	2	5	710	79
38	1,800	479	20	1,750	37	8	263	26	89	3,883	1,005
1	242	24	2	564	3	...	167	...	4	991	77
3	150	46	1	156	...	1	176	2	9	513	81
8	458	36	1	174	...	...	51	1	24	687	75
7	612	74	2	442	2	...	182	1	9	1,255	145
40	376	240	13	382	4	5	77	9	62	855	319
3	393	42	6	442	2	8	212	2	18	1,062	86
62	2,231	462	25	2,160	11	14	865	15	126	5,363	783

(*a*) 17 cases transferred from B to A.
(*b*) 4 cases transferred from A to B.
(*c*) 45 cases transferred from B to C.
(*d*) 14 cases written off from A.
(*e*) 1 case written off from B.
(*f*) 1 case transferred from A to C.

FORM NO. 57.—*Statement showing register of breaches*

Forest Division.	Total cases.				Disposed of					
					Convictions.				Acquit	
					Cases.		Persons.		Cases.	
	A.	B.	C.	All.	A.	B.	A.	B.	A.	B.
1	20	21	22	23	24	25	26	27	28	29
NORTHERN CIRCLE.										
Panch Mahals ...	11	1,096	230	1,337	9	1,088	17	3,855	...	...
Surat ...	2	87	9	98	2	86	4	160	...	...
North Thána ...	4	623	164	791	4	526	17	1,131	...	...
West Thána ...	50	644	173	867	39	613	59	1,701	4	...
East Thána ...	42	516	297	855	40	516	91	1,341	1	...
West Násik ...	14	390	56	460	12	337	44	952	2	...
East Násik ...	7	727	82	816	6	701	10	2,071	1	...
Total, Northern Circle ...	130	4,083	1,011	5,224	112	3,867	242	10,211	8	...
CENTRAL CIRCLE.										
East Khándesh ...	16	1,027	77	1,120	7	937	21	3,973	4	...
North Khándesh ...	16	563	86	665	14	481	32	1,726	...	...
West Khándesh ...	24	732	75	831	20	688	75	2,164	2	...
Poona ...	12	1,316	170	1,498	11	1,213	21	3,162	...	...
Kolába ...	67	994	319	1,380	44	818	93	2,073	4	...
Sátára ...	31	1,221	96	1,348	20	1,143	27	2,983	7	...
Total, Central Circle ...	166	5,853	823	6,842	116	5,280	269	16,081	17	...

(*A*) Means cases taken into Court.
(*B*) Do. compounded and let off with warning.
(*C*) Do. undetected.

of Forest Rules during the year 1923-24—contd.

during the year.											
tals.		Total.						Cases pending at close of year.			Remarks.
Persons.		Cases.			Persons.						
A.	B.	A.	B.	All.	A.	B.	All.	A.	B.	All.	
30	31	32	33	34	35	36	37	38	39	40	41
...	...	9	1,088	1,097	17	2,855	2,872	2	8	10	
...	...	2	86	88	4	160	164	...	1	1	
...	...	4	526	530	17	1,131	1,148	...	97	97	
7	...	43	613	656	66	1,701	1,767	7	31	38	
1	...	41	516	557	92	1,341	1,433	1	...	1	
7	...	14	337	351	51	152	1,003	...	53	53	
3	...	7	701	708	13	2,071	2,084	...	26	26	
18	...	120	3,867	3,987	260	10,211	10,471	10	216	226	
13	...	11	937	948	34	3,973	4,007	5	90	95	
5	...	14	481	495	37	1,726	1,763	2	82	84	
2	...	22	688	710	77	2,164	2,241	2	44	46	
...	...	11	1,213	1,224	21	3,162	3,183	1	103	104	
9	...	48	818	866	102	2,073	2,175	19	176	195	
22	...	27	1,143	1,170	49	2,983	3,032	4	78	82	
51	...	133	5,280	5,413	320	16,081	16,401	33	573	606	

FORM NO. 57.—*Statement showing register of breaches*

Forest Division.	Cases pending from previous year.			New cases: Injury to forest by fire.		
	A	B.	All.	A	B.	C.
1	2	3	4	5	6	7
SOUTHERN CIRCLE.						
Kánara, N. D. ...	1	42	43	...	1	39
Do. E. D. ...	...	2	2	1	2	68
Do. C. D. ...	6	64	70	1	2	137
Do. S. D. ...	(*d*) 3	92	95	...	17	29
Do. W. D. ...	(*a*) 5	(*a*) 2	7	1	....	134
Belgaum ...	(*a*) 2	(*a*) 94	96	...	6	126
Dhárwár-Bijápur ...	8	130	138	1	...	22
Total, Southern Circle ...	25	426	451	4	28	555
SIND CIRCLE.						
Sukkur ...	(*a*) 4	(*a*) 120	124	...	5	26
Shikárpur ...	(*b-d*) 21	(*b*) 61	82	...	...	25
Lárkána ...	19	72	91	...	...	51
Hyderabad ...	24	109	133	...	...	13
Karáchi ...	(*b*) ...	(*b*) 2	2	...	...	33
Total, Sind Circle ...	68	364	432	...	5	148
Grand Total Presidency ...	174	1,526	1,700	53	210	1,461

(*A*) Means cases taken into Court.
(*B*) Do. compounded and let off with warning.
(*C*) Do. undetected.

of Forest Rules during the year 1923-24.

of the year.

Unauthorised felling.			Unauthorised grazing.			Other offences.			Total.		
A	B.	C.	A.	B.	C.	A.	B.	C.	A.	B.	C.
8	9	10	11	12	13	14	15	16	17	18	19
1	26	17	4	111	...	...	...	...	5	138	56
...	43	9	...	74	...	...	12	...	1	131	77
...	81	15	...	10	...	1	17	1	2	110	153
...	187	31	...	4	...	1	17	1	1	225	61
7	181	27	...	36	...	...	20	4	8	237	165
3	289	60	1	356	...	...	24	1	4	675	187
6	193	32	4	355	2	...	23	...	11	571	56
17	1,000	191	9	946	2	2	113	7	32	2,087	755
5	242	59	2	282	...	...	1	1	7	530	96
4	230	54	2	276	...	...	12	...	6	518	79
1	148	27	3	155	...	6	11	1	10	314	79
3	427	2	13	503	...	1	38	...	17	968	15
...	57	2	1	67	..	...	...	...	1	124	35
13	1,104	144	21	1,283	...	7	62	2	41	2,464	294
130	6,135	1,276	75	6,139	50	31	1,303	50	288	13,787	2,837

(*a*) 17 cases transferred from B to A.
(*b*) 4 cases transferred from A to B.
(*c*) 45 cases transferred from B to C.
(*d*) 14 cases written off from A.
(*e*) 1 case written off from B.
(*f*) 1 case transferred from A to C.

FORM NO. 57.—*Statement showing register of breaches*

Forest Division.	Total cases.				Disposed of					
					Convictions.				Acquit	
					Cases.		Persons		Cases.	
	A	B.	C.	All.	A.	B.	A.	B.	A.	B.
1	20	21	22	23	24	25	26	27	28	29
SOUTHERN CIRCLE.										
Kánara, N. D. ...	6	180	56	242	6	169	12	385	...	...
Do, E. D. ...	1	133	77	211	1	129	1	331	...	...
Do. C. D. ...	8	174	153	335	7	152	7	258	...	...
Do. S. D. ...	4	317	61	382	3	241	28	411	1	...
Do. W. D. ...	13	239	165	417	10	217	13	452	1	...
Belgaum ...	6	769	187	962	3	628	3	1,909	1	...
Dhárwár-Bijápur ...	19	701	56	776	7	578	16	1,800	1	...
Total, Southern Circle ...	57	2,513	755	3,325	37	2,174	80	5,606	4	...
SIND CIRCLE.										
Sukkur ...	11	650	86	747	3	544	3	620	...	...
Shikárpur ...	27	579	79	685	7	491	18	518	3	...
Lárkána ...	29	386	79	494	20	330	52	386	4	...
Hyderabad ...	41	1,077	15	1,133	22	956	48	1,257	...	...
Karáchi ...	1	126	35	162	...	124	...	178	1	...
Total, Sind Circle ...	109	2,818	294	3,221	52	2,435	121	2,959	8	...
Grand Total, Presidency ...	462	15,267	2,883	18,612	317	13,756	712	3,4857	37	...

(*A*) Means cases taken into Court.
(*B*) Do. compounded and let off with warning,
(*C*) Do. undetected.

of Forest Rules during the year 1923-24—contd.

during the year.											
tals.		Total.						Cases pending at close of year.			Remarks.
Persons.		Cases.			Persons.						
A.	B.	A.	B.	All.	A.	B.	All.	A.	B.	All.	
30	31	32	33	34	35	36	37	38	39	40	
...	...	6	169	175	12	385	397	...	11	11	
...	...	1	129	130	1	331	332	...	4	4	
...	...	7	152	159	7	258	265	1	22	23	
1	...	4	241	245	29	411	440	...	76	76	
2	...	11	217	228	15	452	467	2	22	24	
3	...	4	688	692	6	1,969	1,975	2	81	83	
1	...	8	578	586	17	1,800	1,817	11	123	134	
7	...	41	2,174	2,215	87	5,606	5,693	16	339	355	
...	...	3	544	547	3	620	623	8	106	114	
9	...	10	481	491	27	518	545	17	98	115	
24	...	24	330	354	76	386	462	5	56	61	
...	...	22	956	978	48	1,257	1,305	6	122	128	
4	...	1	124	125	4	178	182	...	2	2	
37	...	60	2,435	2,495	158	2,959	3,117	36	384	420	
113	...	354	13,756	14,110	825	34,857	35,682	95	1,512	1,607	

† { 1 case transferred to B.
1 case written off.
11 cases transferred to C.

FORM No. 58.—*Area of Forest Tracts protected from fire during 1923-1924.*

Division and Forest Range.	Year in which protection commenced.	Area attempted to be protected in 1922-23.	Area actually protected in 1922-23.	Area attempted to be protected in 1923-24.	Failures.	Area actually protected in 1923-24.	Cost.	Remarks.
1	2	3	4	5	6	7	8	9
NORTHERN CIRCLE.		Acres.	Acres.	Acres.	Acres.	Acres.	Rs.	
Panch Mahals.								
Godhra	1878-79...	51,828	49,813	51,828	771	51,057		
North Godhra	,, ...	37,428	37,273	37,428	839	36,589		
Kalol	,, ...	19,143	18,815	19,143	2,728	16,415		
Halol	,, ...	28,264	27,265	28,264	3,097	25,167		
Dohad	,, ...	46,232	43,570	46,232	1,703	44,529		
Jhalod	,, ...	26,863	25,966	26,863	307	26,556		
Total ...	...	209,758	202,702	209,758	9,445	200,313	2,654	
Surat.								
Dangs Ranges... ...	1878-79...	433,564	433,155	434,631	1,756	433,075		
Mandvi	,, ...	40,889	40,182	40,889	647	40,242		
Bulsar-Chikhali ...	,, ...	2,810	2,810	2,810	...	2,810		
Total ...	...	477,263	476,147	478,330	2,403	476,127	6,729	
North Thana.								
Sanjan	1878-79...	31,249	30,612	31,249	1,001	30,248		
Udhwa	,, ...	35,712	30,995	35,712	1,757	33,955		
Kasa	,, ...	28,237	26,222	28,237	1,565	26,672		
Sawa	,, ...	34,242	33,114	34,242	1,864	32,378		
Palghar	,, ...	28,943	27,765	29,331	329	29,002		
Manor	,, ...	29,120	28,170	29,120	2,216	26,904		
Dahisar	,, ...	33,836	33,236	33,836	1,075	32,761		
Total ...	...	221,339	210,114	221,727	9,807	211,920	2,727	
West Thana.								
Bassein	1878-79...	41,052	40,530	41,052	524	40,528		
West Wada	,, ...	32,919	31,950	32,919	915	32,004		
Bhiwandi	,, ...	43,953	41,620	43,953	2,780	41,173		
Salsette	,, ...	14,806	14,674	14,776	480	14,296		
Kalyan	,, ...	33,437	32,206	33,435	2,714	30,721		
West Murbad ...	,, ...	26,480	25,270	26,480	1,470	25,010		
Total ...	...	192,647	186,250	192,615	8,883	183,732	1,185	

FORM NO. 58.—*Area of Forest Tracts protected from fire during 1923-1924*—contd.

Division and Forest Range.	Year in which protection commenced.	Area attempted to be protected in 1922-23.	Area actually protected in 1922-23.	Area attempted to be protected in 1923-24.	Failures.	Area actually protected in 1923-24.	Cost.	Remarks.
1	2	3	4	5	6	7	8	9
NORTHERN CIRCLE—*continued.*		Acres.	Acres.	Acres.	Acres.	Acres.	Rs.	
East Thana.								
Vihigaon	1878-79...	41,838	41,361	41,838	824	41,014		
East Wada	,, ...	45,809	38,352	45,809	5,883	39,926		
Shahapur	,, ...	45,600	40,624	45,600	2,725	42,875		
Khardi and Washala ...	,, ...	52,354	49,998	52,354	6,075	46,279		
Dhasai	,, ...	24,645	21,167	24,645	5,090	19,555		
East Murbad ...	,, ...	29,370	28,837	29,370	978	28,392		
Igatpuri	,, ...	53,602	52,574	53,602	650	52,952		
Total ...	...	293,218	272,913	293,218	22,225	270,993	1,118	
West Nasik.								
Nasik	1878-79...	51,883	47,574	51,771	229	51,542		
Dindori	,, ...	53,746	50,382	53,726	2,342	51,384		
Point	,, ...	35,617	35,387	91,305	26	91,279		
Harsul	,, ...	40,769	40,623	42,563	10	42,553		
Barhe	,, ...	25,506	25,367	25,505	80	25,425		
Total ...	...	207,520	199,333	264,870	2,687	262,183	223	
East Nasik.								
Kalwan	1878-79...	137,174	137,030	134,951	357	134,954		
Baglan	,, ...	119,854	116,853	120,909	1,665	119,243		
Malegaon	,, ...	89,143	89,143	89,247	5	89,242		
Nandgaon	,, ...	77,583	77,283	78,206	...	78,206		
Yeola	,, ...	25,570	25,569	25,570	...	25,570		
Sinner	,, ...	31,620	31,620	31,620	...	31,620		
Total ...	...	480,944	477,498	480,502	2,027	478,475	...	
Total, Northern Circle ...	...	2,082,689	2,024,957	2,141,220	57,477	2,083,743	14,636	

FORM NO. 58.—*Area of Forest Tracts protected from fire during 1923-1924*—contd.

Division and Forest Range.	Year in which protection commenced.	Area attempted to be protected in 1922-23.	Area actually protected in 1922-23.	Area attempted to be protected in 1923-24.	Failures.	Area actually protected in 1923-24.	Cost.	Remarks.
1	2	3	4	5	6	7	8	9
CENTRAL CIRCLE.		Acres.	Acres.	Acres.	Acres.	Acres.	Rs. a.	
East Khandesh.								
Chalisgaon ...	1878-79...	81,997	77,251	81,997	6,550	75,447	79 0	
Chopda ...	.. ...	107,700	105,109	107,700	10,419	97,281	1,080 0	
Edlabad ...	.. ...	41,346	40,966	41,346	1,132	40,214	120 0	
Jalgaon ...	.. ..	38,833	37,937	38,835	964	37,871	...	
Jamner ...	.. ...	64,390	64,318	64,390	912	63,478	...	
Raver ...	.. ...	76,210	73,210	76,210	1,212	74,998	776 0	
Yawal ...	.. ...	78,000	56,620	78,000	17,825	60,175	585 0	
Total ...	...	488,476	455,411	488,478	30,014	449,464	2,640 0	
North Khandesh.								
Akrani ...	1878-79...	194,683	175,883	194,683	6,500	188,183	163 0	
Taloda ...	.. ...	100,989	91,092	101,017	4,759	96,258	744 0	
Shirpur East ...	.. ...	90,883	88,850	90,888	7,077	83,811	746 0	
Shirpur West ...	.. ...	170,563	139,361	170,564	14,204	156,360	1,450 0	
Total ...	...	557,123	495,186	557,152	32,540	524,612	3,103 0	
West Khandesh.								
Dhulia ...	1878-79...	75,718	75,718	75,718	...	75,718	...	
Nandurbar ...	.. ...	70,167	69,370	70,167	136	70,031	...	
Navapur ...	.. ...	70,181	68,569	70,181	5,015 595	65,166	4,167 1	
Sakri and Pimpalner ...	.. ...	146,172	128,384	146,161	8,680	141,886	...	
Total ..	..	362,238	342,041	362,227	9,426	352,801	4,167 1	
Poona.								
Poona ...	1879-80...	26,535	25,654	26,534	1,374	25,160	...	
Kolaba.								
Alibag ...	1889-90...	27,491	27,308	27,491	862	26,629	...	
Pen and Khalapur ...	.. ...	79,418	78,105	79,401	958	78,443	14 0	
Karjat	.. ...	32,521	32,093	32,519	226	32,293	105 0	
Nagothna	.. ...	35,185	35,121	35,185	307	34,878	...	
Roha	.. ...	39,278	38,928	39,278	920	38,358	...	
Mangaon	.. ..	26,293	26,109	26,293	63	26,230	...	
Mahad	.. ...	26,122	25,528	26,122	119	26,003	...	
Matheran	.. ...	1,061	1,061	1,061	...	1,061	18 0	
Dapoli ...	.. ..	2,273	2,273	2,273	...	2,273	...	
Total ...	...	269,642	266,526	269,623	3,455	266,168	137 0	
Satara.								
Mahabaleshwar ...	1909-10...	11,983	10,663	11,983	273	11,710	308 0	
Total, Central Circle..	...	1,715,997	1,595,481	1,715,997	86,082	1,629,915	10,355 0	

FORM NO. 58.—*Area of Forest Tracts protected from fire during 1923-1924*—contd.

Division and Forest Range.	Year in which protection commenced.	Area attempted to be protected in 1922-23.	Area actually protected in 1922-23.	Area attempted to be protected in 1923-24.	Failures.	Area actually protected in 1923-24.	Cost.	Remarks.
1	2	3	4	5	6	7	8	9
SOUTHERN CIRCLE.		Acres.	Acres.	Acres.	Acres.	Acres.	Rs.	
Kanara, N. D.								
Haliyal	1887-88...	30,676	28,118	31,004	10,058	20,946		
Sambrani	,, ...	54,164	52,866	54,395	...	54,395		
Dandeli	,, ...	53,704	53,701	53,704	17,614	36,090	3,168	
Virnoli	,, ...	46,080	46,072	46,062	1,585	44,477		
Kulgi	,, ...	29,261	29,261	29,261	19,500	9,761		
Total ...	...	213,885	210,018	214,426	48,757	165,669	3,168	
Kanara, E. D.								
Yellapur	1888-89...	114,263	114,152	111,612	5,391	106,221		
Kirwatti	,, ...	51,169	51,139	48,589	6,850	41,739		
Bhartnalli	,, ...	63,785	63,785	61,235	3,249	57,986	151	
Dhundsi	,, ...	24,141	24,141	21,591	11,240	10,351		
Mundgod	,, ...	64,103	64,053	61,685	924	60,761		
Katur	,, ...	42,343	42,343	42,343	3,185	39,158		
Total ...	...	359,804	359,613	347,055	30,839	316,216	151	
Kanara, C. D.								
Sirsi	1906-07...	214,346	205,941	213,615	11,274	202,341		
Ankola	,, ...	105,861	103,205	91,026	1,508	89,518	637	
Ramanguli	,, ...	70,193	69,136	64,042	1,415	62,627		
Madangeri	,, ...	89,329	88,936	93,336	412	92,924		
Total ...	...	479,729	467,278	462,019	14,609	447,410	637	
Kanara, S. D.								
Siddapur	1910-11...	141,280	139,313	140,037	1,855	138,182		
Honnawar	1900-01...	94,025	90,956	108,619	...	108,619	57	
Bhatkal	1899-00...	64,089	63,868	63,898	74	63,824		
Kumta	1900 01...	102,088	101,964	82,661	342	82,319		
Total ...	...	401,482	399,101	395,215	2,271	392,944	97	

FORM NO. 58.—*Area of Forest Tracts protected from fire during 1923-1924*—contd.

Division and Forest Range.	Year in which protection commenced.	Area attempted to be protected in 1922-23.	Area actually protected in 1922-23.	Area attempted to be protected in 1923-24.	Failures.	Area actually protected in 1923-24.	Cost.	Remarks.
1	2	3	4	5	6	7	8	9
SOUTHERN CIRCLE—*continued.*		Acres.	Acres.	Acres.	Acres.	Acres.	Rs.	
Kanara, W. D.								
Karwar	1887-88...	77,147	76,746	77,000	3,012	73,988	1,999	
Kadra	,, ...	208,949	199,077	208,790	4,386	204,404		
Supa	1888-89...	234,379	214,697	234,379	7,306	227,073		
Gund	,, ...	22,483	20,838	22,483	412	22,071		
Total ...	...	542,958	511,358	542,652	15,116	527,536	1,999	
Belgaum.								
Patne	1888-89...	73,898	69,555	73,989	3,901	70,081	2,280	
Nagargali	1886-87...	48,663	40,053	48,655	2,399	46,256		
Khanapur	1889-90...	183,126	174,928	183,144	10,563	172,581		
Gujnal	1894-95...	38,146	36,821	38,314	290	38,024		
Gokak	,, ...	101,443	101,443	101,443	...	101,443		
Total ...	...	445,276	422,800	445,538	17,153	428,385	2,280	
Dharwar-Bijapur.								
Dharwar	1887-88...	39,752	38,875	34,863	...	34,863	607	
Hangal	,, ...	12,901	10,031	11,073	191	10,882		
Kod	1907-08...	37,304	36,957	37,615	288	37,327		
Badami	1889-90...	98,975	98,975	98,582	...	98,582		
Bagalkot	,, ...	59,719	59,719	59,655	10	59,645		
Kalghatgi	1888-89...	42,934	38,869	48,347	2,533	45,814		
Total ...	...	291,588	283,426	290,135	3,022	287,113	607	
Total, Southern Circle...	...	2,734,722	2,653,594	2,697,040	131,767	2,565,273	8,939	

FORM No. 58.—*Area of Forest Tracts protected from fire during 1923-1924*—concld.

Division and Forest Range.	Year in which protection commenced.	Area attempted to be protected in 1922-23.	Area actually protected in 1922-23.	Area attempted to be protected in 1923-24.	Failures.	Area actually protected in 1923-24.	Cost.	Remarks.
1	2	3	4	5	6	7	8	9
SIND CIRCLE.		Acres.	Acres.	Acres.	Acres.	Acres.	Rs.	
Sukkur.								
Mirpur	1903 ...	32,814	32,380	32,814	212	32,602	108	
Ghotki	,, ...	24,620	24,585	24,620	165	24,455	45	
Pano Akil	,, ...	54,541	54,149	54,541	153	54,388	...	
Rohri	,, ...	24,600	24,320	24,600	14	24,586	47	
Total ...	...	136,575	135,434	136,575	544	136,031	200	
Shikarpur.								
Ruk	1878-79...	15,800	15,689	15,800	130	15,670	...	
Shikarpur	1885-86...	200	198	200	...	200	...	
Kashmore	1895-96...	3,500	3,415	7,440	75	7,365	380	
Total ...	...	19,500	19,252	23,440	205	23,235	380	
Larkana.								
Larkana	1918 ...	18,580	18,023	18,641	383	18,258	100	
Radhan	,, ...	16,078	16,055	15,767	214	15,553	75	
Kandiaro	1915 ...	16,718	16,443	17,159	140	17,019	...	
Total ...	...	51,376	50,521	51,567	737	50,830	175	
Hyderabad.								
Miani	1915-16...	4,235	4,235	4,235	...	4,235	...	
Hala	,, ...	13,812	13,655	14,344	153	14,191	...	
Sakrand	,, ...	7,386	6,805	8,000	89	7,911	...	
Manjhand	,, ...	...	...	...	*	...	...	
Total ...	...	25,433	24,695	26,579	242	26,337	...	
Karachi.								
Katiar	1912-13...	2,368	2,368	...	...	...	...	
Mulchand	,, ...	29,100	27,858	29,100	1,106	27,992	200	
Sujawal	,, ...	14,408	14,393	18,375	53	18,322	...	
Tatta	,, ...	21,820	21,691	17,950	15	17,935	200	
Total ...	...	67,696	66,310	65,425	1,176	64,249	400	
Total, Sind Circle ...	...	300,580	296,212	303,586	2,904	300,682	1,155	
GRAND TOTAL, PRESIDENCY. ...		6,833,988	6,570,244	6,857,843	278,230	6,579,613	35,065	

* Fifty-two acres burnt in Manjhand Range have been omitted, as the area burnt was naturally immune from fire.

FORM No. 59—*Causes of*

Division or Circle.	(A) Fires caused by accident or through carelessness in burning fire lines.		(B) Fires entering the forest by crossing exterior fire-traces.	
	No. of fires.	Area burnt in acres.	No. of fires.	Area burnt in acres.
1	2	3	4	5
NORTHERN CIRCLE.				
Panch Mahals	5	42	2	9
Surat	9	652	1	825
North Thana	5	109	5	195
West do.	2	30	7	226
East do.	.....	.....	6	1,402
West Nasik	3	3	.....	.....
East do.	.....	.....	3	760
Total, Northern Circle ...	24	836	24	3,417
CENTRAL CIRCLE.				
East Khandesh	17	5,126	12	6,786
North do.	4	92	20	4,145
West do.	.....	.....	.....	.....
Poona	.....	.....	12	193
Kolaba	.....	.....	24	681
Satara	.....	.....	12	37
Total, Central Circle ...	21	5,218	80	11,842
SOUTHERN CIRCLE.				
Kanara, N. D.	.....	.....	.....	.....
Do. E. D.	.....	.....	.....	.....
Do. C. D.	.....	.....	.....	.....
Do. S. D.	.....	.....	.....	.....
Do. W. D.	.....	.....	3	610
Belgaum	.....	.....	3	252
Dharwar-Bijapur	.....	.....	.....	.....
Total, Southern Circle ...	.....	.....	6	862
SIND CIRCLE.				
Sukkur	1	2	.....	.....
Shikarpur	.....	.....	.....	.....
Larkana	.....	.....	8	43
Hyderabad	.....	.....	.....	.....
Karachi	2	177	1	5
Total, Sind Circle ...	3	179	9	48
Grand Total, Presidency ...	48	6,233	119	16,169

Forest Fires during 1923-24.

(C) Fires beginning inside the Reserve or fire-traced Area.

Owing to carelessness or accident.

By workmen employed in the forests, by purchasers, cutters, etc.		By villagers, travellers, etc., passing through the forests.		By railway engines.		By lightning or by fire-balloons.	
No. of fires.	Area burnt in acres.	No. of fires.	Area burnt in acres.	No. of fires.	Area burnt in acres.	No. of fires.	Area burnt in acres.
6	7	8	9	10	11	12	13
1	51	3	37	4	143	.....	.....
2	350	1	30	.....	.....	.....	.....
.....	.....	1	1	.....	.....	.....	.....
.....	.....	8	167	1	350	.....	.....
4	95	19	1,901	.....	.....	.....	.....
.....	.....	4	128	.....	.....	.....	.....
.....	.....	3	152	.....	.....	.....	.....
7	496	39	1,536	5	493	.....	.....
8	1,647	27	24,686	.....	.....	.....	.....
.....	.....	5	3,480	.....	.....	.....	.....
.....	.....	7	1,362	.....	.....	.....	.....
.....	.....	84	2,187	2	308	.....	.....
1	40	22	554	3	130	.....	.....
.....	.....	34	1,202	.....	.....	.....	.....
9	1,687	159	33,471	5	438	.....	.....
2	12	14	4,255	.....	.....	.....	.....
.....	.....	18	5,905	.....	.....	.....	.....
.....	.....	12	930	.....	.....	.....	.....
.....	.....	17	65	.....	.....	.....	.....
.....	.....	28	3,177	2	35	.....	.....
.....	.....	77	10,319	.....	.....	.....	.....
1	167	1	10	.....	.....	.....	.....
3	179	167	24,661	2	35	.....	.....
4	18	.....	.....	.....	.....	.....	.....
5	14	5	26	.....	.....	.....	.....
1	5	11	103	1	1	.....	.....
3	52	.....	.....	.....	.....	.....	.....
.....	.....	7	127	.....	.....	.....	.....
13	89	23	256	1	1	.....	.....
32	2,451	388	59,924	13	967	.....	.....

FORM No. 59.

Division or Circle.	(C) Fires beginning inside the			
	By Intentional			
	In order to obtain new grass.		In order to turn out game or reduce cover.	
	No of fires.	Area burnt in acres.	No. of fires.	Area burnt in acres.
1	14	15	16	17
NORTHERN CIRCLE.				
Panch Mahals	.....	.....	3	200
Surat	.....	.....	2	5
North Thana	.....	.....	.....	.....
West do.	.....	82	.....	.....
East do.	.....	.....	1	350
West Nasik	.....	.....	.....	...
East do.	.....	.....	.....	.....
Total, Northern Circle	1	82	6	555
CENTRAL CIRCLE.				
East Khandesh	.....	.....	1	5
North do.	.....	.....	.....	.....
West do.	.....	.....	17	4,521
Poona	.....	.....	.....	.....
Kolaba	.....	.....	10	394
Satara	.....	.....	.....	.....
Total, Central Circle	.....	.....	28	4,920
SOUTHERN CIRCLE.				
Kanara, N. D.	.....	.....	1	20
Do. E. D.	.....	.....	.....	.....
Do. C. D.	.....	.....	.....	.....
Do. S. D.	.....	.....	.....	.....
Do. W. D.	20	4,095	1	100
Belgaum	50	6,067	.....	.....
Dharwar-Bijapur	.....	.....	.....	.....
Total, Southern Circle	70	10,162	2	120
SIND CIRCLE.				
Sukkur	3	104	.....	.....
Shikarpur	9	103	.....	.....
Larkana	16	296	.....	.....
Hyderabad	.....	.....	.....	.....
Karachi	16	682	1	11
Total, Sind Circle	44	1,185	1	11
Grand Total, Presidency	115	11,429	37	5,606

concluded.

Reserve or fire-traced Area—*contd.*								
Firing.				Causes Unknown.		Total (A), (B) and (C).		Remarks.
Maliciously fired.		Total.						
No. of fires.	Area burnt in acres.	No. of fires.	Area burnt in acres.	No. of fires.	Area burnt in acres.	No. of fires.	Area burnt in acres.	
18	19	20	21	22	23	24	25	26
5	1,183	16	1,614	115	7,780	138	9,445	
3	224	8	629	4	297	22	2,403	
...	...	1	1	97	9,502	108	9,807	
...	...	10	599	79	8,028	93	8,883	
...	...	24	1,466	87	19,357	117	22,225	
...	...	4	128	50	2,536	57	2,687	
...	...	3	152	10	1,115	16	2,027	
8	1,427	66	4,589	442	48,635	556	57,477	
...	...	36	26,338	5	764	70	39,014	One from contract area.
1	500	6	3,980	38	24,323	68	32,540	
1	2	25	5,885	32	3,541	57	9,426	
...	...	66	2,495	19	2,634	*97	5,322	*Out of these total cases 10 cases are from contract area; and area burnt is 42 acres.
...	...	36	1,118	28	1,656	88	3,455	Breach of rules in 2 cases where no area has been burnt.
4	6	38	1,208	5	115	55	1,360	Do.
6	508	207	41,024	127	33,033	495	91,117	
2	140	19	4,427	21	44,330	40	48,757	
...	...	18	5,905	53	24,934	71	30,839	
...	...	12	930	128	13,679	140	14,609	
...	...	17	65	29	2,206	46	2,271	
37	3,349	88	10,756	44	3,750	135	15,116	
...	...	127	16,389	2	515	132	17,153	
...	...	2	177	21	2,845	23	3,022	
39	3,489	283	38,646	298	92,259	587	131,767	
...	...	7	122	23	420	31	544	
...	...	19	143	6	62	25	205	
1	6	30	411	13	283	51	787	
...	...	3	52	10	242	13	294	
...	...	24	820	6	174	33	1,176	
1	6	83	1,548	58	1,181	153	2,956	
54	5,430	639	85,807	925	175,108	1,731	283,317	

FORM No. 60.—*Area closed and open to grazing during 1923-1924.*

Division.	Area in square miles.						Remarks.
	Closed to all animals.		Open to grazing.				
			Of all animals.		Of all animals except browsers (camels, sheep and goats).		
	Whole year.	Part of year.	Whole year.	Part of year.	Whole year.	Part of year.	
1	2	3	4	5	6	7	8
NORTHERN CIRCLE.	Sq. m.	Sq. m.	Sq. m.	Sq. m.	Sq. m.	Sq. m.	
Panch Mahals ...	70	14	3	...	244	...	
Surat ...	18	50	340	...	352	...	
North Thana ...	54	...	149	...	292	...	
West do. ...	45	...	89	...	256	...	
East do. ...	105	...	142	...	354	...	
West Nasik ...	31	8	102	...	285	...	
East do. ...	19	...	418	...	375	...	
Ahmedabad ...	...	...	19	...	...	...	
Total, Northern Circle ...	342	72	1,262	...	2,158	...	
CENTRAL CIRCLE.							
East Khandesh ...	240	58	36	...	465	...	
North do. ...	184	...	...	...	687	...	
West do. ...	117	...	251	...	429	...	
Poona ...	37	60	421	...	476	...	
Kolaba ...	67	1	102	...	352	...	
Satara ...	43	2	193	...	467	...	
Nagar-Sholapur ...	...	...	698	...	...	...	
Total, Central Circle ...	688	121	1,696	...	2,876	...	
SOUTHERN CIRCLE.							
Kanara, N. D. ...	17	...	...	...	318	...	
Do. E. D. ...	273	...	...	...	294	...	
Do. C. D. ...	465	...	...	...	322	...	
Do. S. D. ...	148	...	...	...	576	...	
Do. W. D. ...	181	...	...	...	672	...	
Belgaum ...	80	...	3	...	616	...	
Dharwar-Bijapur ...	45	6	174	...	382	...	
Ratnagiri ...	...	...	19	...	...	...	
Total, Southern Circle ...	1,209	6	196	...	3,180	...	
SIND CIRCLE.							
Sukkur ...	34	...	15	...	229	...	
Shikarpur ...	22	...	14	...	194	...	
Larkana ...	10	...	17	...	163	...	
Hyderabad ...	5	...	26	...	216	...	
Karachi ...	6	...	96	...	117	...	
Total, Sind Circle ...	77	...	168	...	919	...	
Grand Total, Presidency ...	2,316	199	3,322	...	9,133	...	

FORM No. 61.

FORM No. 61.—*Return of Grazing in*

Division.	Grazing					
	At Full Rates.					
	Buffaloes.	Cows and Bullocks.	Goats and Sheep.	Camels.	Other animals.	Fees received.
1	2	3	4	5	6	7
NORTHERN CIRCLE.	No.	No.	No.	No.	No.	Rs.
Reserved Forest.						
Panch Mahals ...	1,603	2,653	.....	.....	.....	2,945
Surat ...	.....	.....	.....	.....	.....	.....
North Thana ...	.....	.....	.....	.....	.....	.....
West do. ...	195	851	290	.....	.....	921
East do. ...	240	6,666	.....	.....	1	4,424
West Nasik ...	162	840	27,376	.....	.....	1,055
East do. ...	22	220	.....	.....	231	7,317
Total ...	2,222	11,230	27,666	.....	232	16,662
Protected Forest.						
West Thana ...	.....	.....	.....	.....	.....	.....
Leased Forest.						
Surat ...	.....	2,097	.....	.....	.....	1,048
Total, Northern Circle...	2,222	13,327	27,666	.....	232	17,710
CENTRAL CIRCLE.						
Reserved Forest.						
East Khandesh ...	4,413	51,886	.....	.....	160	56,469
North do. ...	3,750	38,833	.....	.....	2,452	45,035
West do. ...	484	3,451	.....	.....	2,620	6,555
Poona ...	689	4,506	.....	.....	62	5,257
Kolaba ...	.....	.....	.....	.....	.....	.....
Satara ...	395	1,415	.....	.....	3	1,813
Total ...	9,731	100,091	.....	.....	5,297	1,15,119
Leased Forest.						
Satara ...	.....	.....	.....	.....	.....	.....
Total, Central Circle ...	9,731	100,091	.....	.....	5,297	1,15,119

the State Forests during 1923-24.

on Payment.

At Privileged Rates.

Buffaloes.	Cows and Bullocks.	Goats and Sheep.	Camels.	Other animals.	Fees received.	
					Actual.	Value at full rates.
8	9	10	11	12	13	14
No.	No.	No.	No.	No.	Rs.	Rs.
1,089	4,910	.....	.....	.....	363	3,544
65	361	.....	.....	.....	53	426
655	2,262	64	.....	.....	604	1,642
538	3,080	.....	.....	.....	1,393	2,597
1,295	11,277	.....	.....	.....	3,572	8,667
2,443	27,265	.....	.....	3	7,654	20,095
10,178	124,687	127,643	.....	893	49,692	1,67,669
16,263	173,842	127,707	.....	896	63,660	2,04,640
.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....
16,263	173,842	127,707	.....	896	63,660	2,04,640
14,774	114,012	.....	.....	43	38,384	1,38,829
7,292	47,712	68	.....	286	16,986	55,358
17,850	127,342	177,915	.....	1,471	66,387	3,24,578
13,358	96,822	32,880	.....	597	37,375	1,43,657
16,271	61,638	159	.....	1	22,709	78,060
22,927	78,448	46,380	.....	213	33,777	1,47,968
92,472	525,974	257,402	.....	2,611	2,15,618	8,78,459
1,127	1,430	21	.....	.....	665	2,578
93,599	527,404	257,423	.....	2,611	2,16,283	8,81,037

FORM No. 61.—*Return of Grazing in*

Division.	Grazing					
	By right under Settlement.					
	Buffaloes.	Cows and Bullocks.	Goats and Sheep.	Camels.	Other animals.	Value of fees at full rates.
1	15	16	17	18	19	20
NORTHERN CIRCLE.	No.	No.	No.	No.	No.	Rs.
Reserved Forest.						
Panch Mahals ...	.....	.....	.....	.....	.....	.....
Surat ...	.....	.....	.....	.....	.....	.....
North Thana ...	.....	.....	.....	.....	.....	.....
West do. ...	.....	.....	.....	.....	.....	.....
East do. ...	.....	.....	.....	.....	.....	.....
West Nasik ...	.....	.....	.....	.....	.....	.....
East do. ...	.....	.....	.....	.....	.....	.....
Total ...	.....	.....	.....	.....	.....	.....
Protected Forest.						
West Thana ...	.....	.....	.....	.....	.....	.....
Leased Forest.						
Surat ...	.....	.....	.....	.....	.....	.....
Total, Northern Circle...	.....	.....	.....	.....	.....	.....
CENTRAL CIRCLE.						
Reserved Forest.						
East Khandesh ...	.....	.....	.....	.....	.....	.....
North do. ...	.....	.....	.....	.....	.....	.....
West do. ...	.....	.....	.....	.....	.....	.....
Poona ...	135	265	.....	.....	.....	400
Kolaba ...	.....	.....	.....	.....	.....	.....
Satara ...	10	44	.....	.....	.....	54
Total ..	145	309	.....	.....	.....	454
Leased Forest.						
Satara ...	.....	.....	.....	.....	.....	.....
Total, Central Circle ...	145	309	.....	.....	.....	454

the State Forests during 1923-24—contd.

Free.							
During Pleasure of Government or otherwise than under Settlement.							
Buffaloes.	Cows and Bullocks.	Goats and Sheep.	Camels.	Other animals.	Value of Fees at full rates.	Total Value of Fees at full rates.	Grand Total of Value at full rates.
21	22	23	24	25	26	27	28
No.	No.	No.	No.	No.	Rs.	Rs.	Rs.
25,221	101,558	.....	.....	.....	76,000	76,000	82,489
.....	.....	.....	.....	.....	.....	.....	426
7,288	52,286	.....	.....	.....	41,789	41,789	43,431
15,693	72,155	.....	.....	39	64,737	64,737	68,255
13,003	55,524	.....	.....	.....	50,956	50,956	64,047
7,369	18,357	.....	.....	.....	25,726	25,726	46,676
.....	.....	.....	.....	.....	.....	.....	1,74,986
68,574	299,880	.....	.....	39	2,59,208	2,59,208	4,80,510
2,396	8,226	.....	.....	2	8,137	8,137	8,137
1,732	30,652	639	.....	60	33,083	33,083	34,131
72,702	338,758	639	.....	101	3,00,428	3,00,428	5,22,778
3,038	13,820	.....	.....	28	16,886	16,886	2,02,174
3,014	24,016	.....	.....	102	27,132	27,132	1,27,525
1,728	17,779	.....	.....	14	19,521	19,521	3,50,654
.....	.....	.....	.....	.....	.....	400	1,49,314
700	1,470	.....	.....	.....	2,170	2,170	80,239
.....	.....	.....	.....	.....	.....	54	1,49,335
8,480	57,085	.....	.....	144	65,709	66,163	10,59,741
.....	.....	.....	.....	.....	.....	.....	2,578
8,480	57,085	.....	.....	144	65,709	66,163	10,62,319

FORM No. 61.—*Return of Grazing in*

Division.	Grazing					
	At Full Rates.					
	Buffaloes.	Cows and Bullocks.	Goats and Sheep.	Camels.	Other animals.	Fees received.
1	2	3	4	5	6	7
SOUTHERN CIRCLE.	No.	No.	No.	No.	No.	Rs.
Kanara N. D. ...	432	15	.....	.....	.....	447
Do. E. D. ...	206		.....	.....	.....	206
Do. C. D. ...	.....	.....	.....	.....	.....	.....
Do. S. D. ...	.....	.....	.....	.....	.....	.....
Do. W. D. ...	.....	.....	.....	.....	.....	.....
Belgaum ...	.....	.....	.....	.....	.....	.....
Dharwar-Bijapur ...	309	692	216	.....	.....	1,151
Total, Southern Circle...	1,654		216	.....	.....	1,804
SIND CIRCLE.						
Sukkur ...	1,557	2,536	6,944	.....	7	3,893
Shikarpur ...	2,226	2,851	10,504	13	64	4,805
Larkana ...	4,019	2,179	9,183	32	25	5,707
Hyderabad ...	3,224	4,468	16,872	40	300	9,786
Karachi ...	4,035	3,328	7,111	701	419	7,882
Total, Sind Circle ...	15,061	15,362	50,614	786	815	32,073
Grand Total, Presidency.	157,448		78,495	786	6,344	1,66,706

the State Forests during 1923-24—contd.

on Payment.

At Privileged Rates.						
Buffaloes.	Cows and Bullocks.	Goats and Sheep.	Camels.	Other animals.	Fees received.	
					Actual.	Value at full rates.
8	9	10	11	12	13	14
No.	No.	No.	No.	No.	Rs.	Rs.
8,949	15,034	102	.....	.....	3,119	24,085
39,005		67	.....	.....	5,285	39,022
61,215		3	.....	1	8,668	61,217
76,805		107	.....	.....	9,908	76,832
26,748		.....	.....	.....	3,849	26,748
46,712		23,086	.....	.....	9,836	52,479
34,026	79,662	64,694	.....	.....	33,047	1,26,354
388,156		88,059	.....	1	73,712	4,06,737
.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....
1,199,264		4,73,189	.....	3,508	3,53,655	14,92,414

FORM No. 61.—*Return of Grazing in*

Division.	Grazing Free.					
	By right under Settlement.					
	Buffaloes.	Cows and Bullocks.	Goats and Sheep.	Camels.	Other animals.	Value of Fees at full rates.
1	15	16	17	18	19	20
SOUTHERN CIRCLE.	No.	No.	No.	No.	No.	Rs.
Kanara N. D. ...	.....	.....	.....	.....	.....	.....
Do. E. D. ...	.....	.....	.....	.....	.....	.....
Do. C. D. ...	.....	.....	.....	.....	.....	.....
Do. S. D. ...	.....	.....	.....	.....	.....	.....
Do. W. D. ...	.....	.....	.....	.....	.....	.....
Belgaum ...	.....	.....	.....	.....	.....	.....
Dharwar-Bijapur ...	.....	.....	.....	.....	.....	.....
Total, Southern Circle...	.....	.....	.....	.....	.....	.....
SIND CIRCLE.						
Sukkur ...	691	2,310	.....	.....	34	1,353
Shikarpur ...	302	904	.....	.....	3	272
Larkana ...	508	1,169	.....	.....	.....	699
Hyderabad ...	3	182	.....	.....	.....	70
Karachi ...	240	197	.....	.....	.....	254
Total, Sind Circl ...	1,744	4,762	.....	.....	37	2,648
Grand Total, Presidency.	1,889	5,071	.....	.....	37	3,102

the State Forests during 1923-24—concld.

Grazing Free—*contd.*							
During Pleasure of Government or otherwise than under Settlement.						Total Value of Fees at full rates.	Grand Total of Value at full rates.
Buffaloes.	Cows and Bullocks.	Goats and Sheep.	Camels.	Other animals.	Value of Fees at full rates.		
21	22	23	24	25	26	27	28
No.	No.	No.	No.	No.	Rs.	Rs.	Rs.
191	679	.....	.....	.....	870	870	25,402
.....	.....	.....	.....	.....	.....	.....	39,228
.....	.....	.....	.....	.....	.....	.....	61,217
.....	.....	.....	.....	.....	.....	.....	76,832
3,127		.....	.....	.....	3,127	3,127	29,675
14,810		.....	.....	.....	14,810	14,810	67,289
9,540	2,080	.....	.....	.....	11,620	11,620	1,39,125
30,427		.....	.....	.....	30,427	30,427	4,38,968
57	793	.....	.....	343	426	1,779	5,672
.....	311	.....	.....	466	121	393	5,198
16	128	.....	.....	300	136	835	6,542
175	155	.....	680	714	2,408	2,478	12,264
262	117	.....	5	.....	255	509	8,391
510	1,504	.....	685	1,823	3,346	5,994	38,067
509,466		639	685	2,068	3,99,910	4,03,012	20,62,132

FORM No. 62.—*Artificial Reproduction*

Division.	Kind of Plantation.	Area in Acres.			
		On 1st April 1923.	Added during the year.	Excluded during the year.	Area on 31st March 1924.
1	2	3	4	5	6
NORTHERN CIRCLE.		Acres.			Acres.
North Thana ...	Regular (Casuarina.)	139	.....	.....	139
West Thana ...	Do. ...	76	.....	76	.....
	Total, Northern Circle.	215	.....	76	139
CENTRAL CIRCLE.					
Kolaba ...	Regular Plantation (Casuarina).	115	.....	.....	115
Satara ...	Do. ... 6 speries of Eucalyptus.	.....	2	.....	2
	Total, Central Circle.	115	2	.....	117
SOUTHERN CIRCLE.					
Kanara, C. D. ...	Regular Plantations.	149	.....	17(a)	132
Kanara, S. D. ...	Do. ...	585	.....	.....	585
Kanara, W. D. ...	Do. ...	279	32	.....	311
	Total ...	1,013	32	17	1,028
Kanara, N. D. ...	Other forms of artificial reproduction.	428	78	.....	506
Kanara, E. D. ...	Do. ...	329	92	.....	421
Kanara, C. D. ...	Do. ...	217	169	.....	386
Kanara, S. D. ...	Do. ...	1,604	450	.....	2,054
Kanara, W. D. ...	Do. ...	172	102	.....	274
Belgaum ...	Do. ...	39	.....	.....	39
	Total ...	2,789	891	.....	3,680
	Total, Southern Circle.	3,802	923	17	4,708
SIND CIRCLE.					
Sukkur ...	Regular plantation.	341	29	.....	370
Shikarpur ...	Do. ...	103	.....	.....	103
Larkana ...	Do. ...	17	.....	.....	17
Hyderabad ...	Do. ...	5	.....	.....	5
Karachi ...	Do. ...	22	.....	.....	22
	Total, Sind Circle.	488	29	.....	517
Grant Total, Presidency.	Regular plantations.	1,331	68	98	1,801
	Other forms of artificial reproductions.	2,789	891	.....	3,680
	Total ...	4,620	954	98	5,481

during the year 1923-1924.

Expenditure during the year.		Total expenditure from commencement.		Revenue during the Year.	Total Revenue from date of creation of plantation.	Remarks.
Creation.	Upkeep.	Creation.	Upkeep.			
7	8	9	10	11	12	13
205	20	28,079	519	1,598	3,214	
.....	58	9,881	470	3,735	4,167	
205	78	37,960	989	5,333	7,381	
2	399	3,497	5,297	3,540	12,998	
151	.....	151	.....	.....	.....	
153	399	3,648	5,297	3,540	12,998	
.....	.....	2,318	13,956	1,480	6,580	(a) Gangavali plantation cleared and disforested in the interest of agriculture.
.....	1,016	76,053	3,121	3,501	45,631	
124	2,697	22,753	15,326	10,547	46,231	
124	3,713	1,01,124	32,403	15,528	97,442	
4,096	4,838	35,409	10,169	.....	.....	
1,178	2,130	14,822	5,974	.....	1,257	
1,670	1,274	11,660	2,723	.....	.....	
7,133	1,600	15,266	9,434	.....	401	
2,176	5,791	13,408	11,635	.....	3,796	
.....	.....	1,031	78	.....	.....	
16,253	15,633	91,591	40,013	.....	5,454	
16,377	19,346	1,92,715	72,416	15,528	1,02,896	
787	1,013	3,236	23,338*	2,141	29,366	*Last year's mistake now rectified.
82	811	2,754	6,417*	.....	275	
.....	.....	5	2,732	.....	.....	
.....	.....	32	893	.....	.....	
.....	.....	494	6,206	360	733	
869	1,824	6,865	39,586	2,501	30,374	
1,351	6,014	1,49,595	78,275	26,902	1,48,195	
16,253	15,633	91,591	40,013	.....	5,454	
17,604	21,647	2,41,186	1,18,288	26,902	1,53,649	

FORM No. 63.--*Outturn (in Thousands of cubic feet, solid) of Timber*

Division.	Timber in the rough, Logs.				
	Government.	Purchasers.	Free Grantees.	Right-holders.	Total.
	2	3	4	5	6
NORTHERN CIRCLE.	c. ft.	c. ft.	c. ft.	c. ft.	c. ft.
Reserved Forests.					
Panch Mahâls	...	39	...	...	39
Surat	...	37	...	...	37
North Thana	15	170	...	...	185
West Thana	...	24	...	...	24
East Thana	...	6	...	...	6
West Nasik	110	17	...	...	127
East Nasik	...	13	...	...	13
Total ..	125	306	...	...	431
Protected Forests.					
North Thana	...	40	...	...	40
West Thana	...	2	...	...	2
East Thana	...	2	...	...	2
West Nasik	...	1	...	...	1
Total ...	...	45	...	...	45
Unclassed Forests (Malki).					
West Nasik	...	1	...	...	1
Leased Forests.					
Dângs (Surat)	53	170	...	...	223
Total, Nothern Circle	178	522	...	...	700
CENTRAL CIRCLE.					
Reserved Forests.					
East Khandesh	...	...	...	...	...
North Khandesh	...	13	...	...	13
West Khandesh	1	86	...	...	87
Poona	...	12	...	...	12
Kolaba	...	69	...	...	69
Satara	...	10	...	...	10
Total ...	1	190	...	...	191
Protected Forests.					
Kolaba	...	...	...	...	...
Total, Central Circle	1	190	...	...	191

and Fuel during the Year 1923-24, and Agency of Exploitation.

Timber in the rough. Poles.					Sawn or Square Timber.					Miscellaneous.				
Government.	Purchasers.	Free Grantees.	Right-holders.	Total.	Government.	Purchasers.	Free Grantees.	Right-holders.	Total.	Government.	Purchasers.	Free Grantees.	Right-holders.	Total.
7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
c. ft.	c. ft.	c. ft.	c. ft.	c. ft.	c. ft.	c. ft.	c. ft.	c. ft.	c. ft.	c. ft.	c. ft.	c. ft.	c. ft.	c. ft.
..	298	...	...	298	...	...	...	...	...	...	...	...	...	...
...	57	3	...	60	...	...	...	...	...	...	...	...	...	...
164	376	...	...	540	...	...	...	...	...	...	13	...	...	13
4	231	...	...	235	...	...	...	...	...	...	...	...	...	...
22	158	...	...	180	...	3	...	...	3	...	1	...	...	1
...	39	1	...	40	3	...	...	...	3	...	...	...	...	...
...	110	...	...	110	...	...	...	...	...	....	...	...	...	...
190	1,269	4	...	1,463	3	3	...	...	6	...	14	...	...	14
...	152	...	...	152	...	...	...	...	...	...	6	...	...	6
...	88	...	...	88	...	...	...	...	...	...	...	...	...	...
...	76	...	...	76	...	1	...	...	1	...	...	...	...	...
...	16	...	...	16	...	...	...	...	...	...	...	...	...	...
...	332	...	...	332	...	1	...	...	1	...	6	...	...	6
...	13	...	...	13	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	65	...	...	...	65	...	...	...	...	...
190	1,614	4	...	1,808	68	4	...	...	72	...	20	...	...	20
11	64	1	...	76	...	...	...	...	...	...	...	...	...	...
1	141	1	...	143	...	...	...	...	...	...	...	...	...	...
...	214	1	...	215	...	...	...	...	...	...	...	...	...	...
..	63	...	...	63	...	...	...	...	...	...	...	...	...	...
4	171	3	...	178	...	...	...	...	...	...	...	...	...	...
...	28	3	...	31	...	...	...	...	...	...	...	...	...	...
										143 S. W. trees.				143 S. W. trees.
16	681	9	...	706	...	...	...	...	...	...	...	...	...	...
										143 S. W. trees.				143 S. W. trees.
...	2	7	...	9	...	...	...	...	...	...	...	...	...	...
16	683	16	...	715	...	...	...	...	..	...	...	...	...	...
										143 S. W. trees.				143 S. W. trees.

FORM No. 63.—*Outturn (in Thousands of cubic feet, solid) of Timber*

Division.	Total Timber.				
	Government.	Purchasers.	Free Grantees.	Right-holders.	Total.
1	22	23	24	25	26
NORTHERN CIRCLE.	c. ft.	c. ft.	c. ft.	c. ft.	c. ft.
Reserved Forests.					
Panch Mahals	...	337	...	...	337
Surat	...	94	3	...	97
North Thana	179	559	...	...	738
West Thana	4	255	...	...	259
East Thana	22	168	...	...	190
West Nasik	113	56	1	...	170
East Nasik	...	123	...	...	123
Total ...	318	1,592	4	...	1,914
Protected Forests.					
North Thana	...	198	...	...	198
West Thana	...	90	...	...	90
East Thana	...	79	...	...	79
West Nasik	...	17	...	...	17
Total ...	...	384	...	...	384
Unclassed Forests (Malki).					
West Nasik	...	14	...	...	14
Leased Forests.					
Dangs (Surat)	118	170	...	...	288
Total, Northern Circle ...	436	2,160	4	...	2,600
CENTRAL CIRCLE.					
Reserved Forests.					
East Khandesh	11	64	1	...	76
North Khandesh	1	154	1	...	156
West Khandesh	1	300	1	...	302
Poona	...	75	...	...	75
Kolaba	4	240	3	...	247
Satara	...	38	3	...	41
	143 S. W. trees.				143 S. W. trees.
Total ...	17 143 S. W. trees.	871	9	...	897 143 S. W. trees.
Protected Forests.					
Kolaba	...	2	7	...	9
Total, Central Circle ...	17 143 S. W. trees.	873	16	...	906 143 S. W. trees.

and Fuel during the Year 1923-1924, and Agency of Exploitation—contd.

Fuel.					Total Outturn.	Remarks.
Government.	Purchasers.	Free Grantees.	Right and privilege holders.	Total.		
27	28	29	30	31	32	33
c. ft.	c. ft.	c. ft.	c. ft.	c. ft.	c. ft.	
.....	1,309	.....	1,467	2,776	3,113	
.....	176	.....	20	196	203	
359	1,086	.....	1,244	2,689	3,427	
28	1,520	.....	911	2,459	2,718	
308	880	.....	1,007	2,195	2,385	
.....	127	.....	700	827	997	
1	388	.....	.....	389	512	
696	5,486	...	5,349	11,531	13,445	
.....	123	.....	12	135	333	
.....	101	.....	109	210	300	
.....	49	... ..	.....	49	128	
.....	.....	.....	.....	.....	17	
.....	273	.....	121	394	778	
.....	.....	.....	.....	.....	14	
.....	.....	.....	280	280	568	
696	5,759	.....	5,750	12,205	14,805	
.....	505	1	9	515	591	
7	563	.....	22	592	748	
.....	1,400	.....	166	1,566	1,868	
208	384	.....	.....	592	667	
36	1,510	... ..	383	1,929	2,176	
416	52	.....	.....	468	509	
					143 S. W. trees.	
667	4,414	1	580	5,662	6,559	
					143 S. W. trees.	
.....	.....	.....	.....	.....	9	
667	4,414	1	580	5,662	6,568	
					143 S. W. trees.	

FORM No. 63.—*Outturn (in Thousands of cubic feet, solid) of Timber*

Division.	Timber in the rough. Logs.				
	Government.	Purchasers.	Free Grantees.	Right-holders.	Total.
1	2	3	4	5	6
	c. ft.	c. ft.	c. ft.	c. ft.	c. ft.
SOUTHERN CIRCLE.					
Kanara, Northern Division	246	338	1	...	585
Kanara, Eastern Division	123	51	3	...	177
Kanara, Central Division	116	60	5	...	181
Kanara, Southern Division	20	91	5	...	116
Kanara, Western Division	90	89	9	...	188
Belgaum	3	180	...	...	183
Dharwar-Bijapur	...	...	...	...	...
Total, Southern Circle ...	598	809	23	...	1,430
SIND CIRCLE.					
Sukkur	1	...	...	...	1
Shikarpur	1	4	...	...	5
Larkana	...	4	...	...	4
Hyderabad	17	...	...	...	17
Karachi	5	6	...	...	11
Total, Sind Circle ...	24	14	...	...	38
Grand Total, Presidency ...	801	1,535	23	...	2,359

and Fuel during the Year 1923-1924, and Agency of Exploitation—contd.

Timber in the rough. Poles.					Sawn or Square Timber.					Miscellaneous.				
Government.	Purchasers.	Free Grantees.	Right-holders.	Total.	Government.	Purchasers.	Free Grantees.	Right-holders.	Total.	Government.	Purchasers.	Free Grantees.	Right-holders.	Total.
7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
c. ft.	c. ft.	c. ft.	c. ft.	c. ft.	c. ft.	c. ft.	c. ft.	c. ft.	c. ft.	c. ft.	c. ft.	c. ft.	c. ft.	c. ft.
124	94	...	...	218	186	...	...	...	186	Sandal-wood as in column 32	...	...	...	Sandal-wood as in column 32.
66	135	1	10	212	123	3	...	...	126	Do.	...	...	...	Do.
2	8	...	1	11	31	...	...	...	31	Do.	...	...	...	Do.
1	10	...	...	11	36	...	...	...	36	Do.	...	...	...	Do.
2	...	...	...	2	73	...	...	...	73	....	...	...	...	...
2	144	16	...	162	2	12	...	...	14	Sandal-wood as in column 32	...	...	...	Sandal-wood. as in column 32.
3	155	...	...	158	...	...	...	...	...	Do.	...	...	...	Do.
200	546	17	11	774	451	15	...	...	466	Sandal-wood as in column 32	...	...	...	Sandal-wood as in column 32.
3	29	1	...	33	...	...	...	...	...	...	...	...	...	...
...	2	1	...	3	...	...	...	...	...	...	13	1	...	14
...	42	5	...	47	...	...	...	...	...	...	...	...	...	...
...	17	...	...	17	...	...	...	...	...	...	...	1	...	1
6	1	...	...	7	...	...	...	...	...	...	9	1	...	10
9	91	7	...	107	...	...	...	...	...	...	22	3	...	25
415	2,934	44	11	3,404	519	19	...	...	538	Sandal-wood as in column 32	42	3	...	45 Sandal-wood as in column 32.

FORM No. 63.—*Outturn (in Thousands of cubic feet, solid) of Timber*

Division.	Total Timber.				
	Government.	Purchasers.	Free Grantees.	Right-holders.	Total.
1	22	23	24	25	26
	c. ft.	c. ft.	c. ft.	c. ft.	c. ft.
SOUTHERN CIRCLE.					
Kanara, Northern Division	556 Sandal-wood as in column 32	432	1	...	989 Sandal-wood as in column 32
Kanara, Eastern Division	312 Sandal-wood as in column 32	169	4	10	515 Sandal-wood as in column 32
Kanara, Central Division	149 Sandal-wood as in column 32	68	5	1	223 Sandal-wood as in column 32
Kanara, Southern Division	57 Sandal-wood as in column 32	101	5	...	163 Sandal-wood as in column 32
Kanara, Western Division	165	89	9	...	263
Belgaum	7 Sandal-wood as in column 32	336	16	...	359 Sandal-wood as in column 32
Dharwar-Bijapur	3 Sandal-wood as in column 32	155	...	...	158 Sandal-wood as in column 32
Total, Southern Circle ...	1,249 Sandal-wood as in column 32	1,370	40	11	2,670 Sandal-wood as in column 32
SIND CIRCLE.					
Sukkur	4	29	1	...	34
Shikarpur	1	19	2	...	22
Larkana	...	46	5	...	51
Hyderabad	17	17	1	...	35
Karachi	11	16	1	...	28
Total, Sind Circle ...	33	127	10	...	170
Grand Total, Presidency ...	1,735 Sandal-wood as in column 32	4,530	70	11	6,346 Sandal-wood as in column 32

and Fuel during the Year 1923-1924, and Agency of Exploitation— contd.

Fuel.					Total Outturn.	Remarks.
Government.	Purchasers.	Free-Grantees.	Right and privilege holders.	Total.		
27	28	29	30	31	32	
c. ft.	c. ft.	c. ft.	c. ft.	c. ft.	c. ft.	
207	238	1	.....	446	1,435 Sandalwood Kh. m. lbs. 2 12 4	
.....	185	1	127	313	828 Sandalwood Kh. m. lbs. 53 0 18	
103	819	.....	.....	922	1,145 Sandalwood Kh. m lbs. 22 4 2	
35	906	4	.....	945	1,108 Sandalwood Kh. m. lbs. 3 5 17 rejected 444 c.ft.	
550	1,069	2	.....	1,621	1,884	
1,742	2,590	3	411	4,746	5,105 Sandalwood Kh. m. lbs. 62 4 13	
2	1,166	11	.....	1,179	1,337 Sandalwood Kh. m. lbs. 73 7 17 trees 42 roots 353 billets 127	
2,639	6,973	22	538	10,172	12,442 Sandalwood Kh. m. lbs. 216 14 15 444 rejected cft. 42 trees, 353 roots, and 127 billets.	
217	2,336	.....	9	2,562	2,596	
283	2,996	1	.....	3,280	3,392	
10	1,967	.....	.....	1,977	2,028	
245	5,764	.....	.....	6,009	6,044	
863	3,153	.....	.....	4,016	4,044	
1,618	16,216	1	9	17,844	18,014	
5,620	33,362	24	6,877	45,883	52,229 Sandalwood Kh. m. lbs. 216 14 15 444 rejected cft. 185 trees, 353 roots, 127 billets.	

FORM No. 64.—*Outturn of Minor Forest Produce during the year 1923-1924.*

Description of produce.	Produce Removed or Utilized.								Total.	
	By Government Agency.		By Purchasers.		By Free-grantees.		By Right and privilege holders.			
	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.
NORTHERN CIRCLE.		Rs.		Rs.		Rs.		Rs.		Rs.
Reserved Forests.										
Apta Tembhurni leaves...	...	...	...	17,698	...	...	...	1,534	...	19,232
Bamboos	400	10	3,359,209	29,099	200	5	900,700	5,038	...	34,152
Chilhari bark	...	...	...	1,915	...	...	...	95	...	2,010
Gum	...	...	...	253	...	...	...	255	...	508
Rosha grass	...	...	...	5,120	...	...	...	...	...	5,120
Grass and grazing ...	...	7,037	...	1,22,945	...	...	...	2,66,369	...	3,96,351
Hirda	...	...	...	1,404	...	...	...	45	...	1,449
Karvi	...	...	...	1,061	...	...	...	497	...	1,578
Manure	...	...	...	176	...	...	...	...	...	176
Royalty on Manganese ore.	...	...	...	13,717	...	...	...	...	...	13,717
Moho flowers and seed ...	...	...	...	3,255	...	...	...	1,995	...	5,250
Tad-palm leaves ...	...	...	...	1,830	...	...	...	...	...	1,830
Stones	...	...	...	790	...	274	...	...	...	1,064
Tarwad bark and seed ...	...	...	...	3,810	...	...	...	...	...	3,810
Thorns	...	...	...	285	...	...	...	...	...	285
Chunam Kankar ...	...	...	...	1,203	...	...	...	...	...	1,203
Teak seed	...	210	...	...	...	...	...	...	...	210
Miscellaneous	...	...	...	3,859	...	...	...	1,272	...	5,131
Total ...	...	7,257	...	2,08,440	...	279	...	2,77,100	...	4,93,076
Protected Forests.										
Grazing	...	...	...	...	...	...	...	9,572	...	9,572
Miscellaneous	...	...	...	...	...	...	...	1,950	...	1,950
Total ...	...	...	...	...	...	...	...	11,522	...	11,522
Leased Forests.										
Bamboos	...	...	849,920	21,672	...	...	113,400	2,835	...	24,507
Grazing	...	...	...	1,066	...	...	...	33,083	...	34,149
Moho seed and flowers ...	...	...	...	10	...	...	...	...	...	10
Hirda	...	...	...	7	...	...	...	...	...	7
Rosha grass	...	...	...	655	...	...	...	...	...	655
Chilhari bark	...	...	...	212	...	...	...	...	...	212
Miscellaneous	...	...	...	1,959	...	...	...	11,973	...	13,932
Total ...	...	...	...	25,581	...	...	...	47,891	...	73,472
Total, Northern Circle.	...	7,257	...	2,34,021	...	279	...	3,36,513	...	5,78,070

FORM No. 64.—*Outturn of Minor Forest Produce during the year 1923-1924*—contd.

Description of produce.	Produce Removed or Utilized.								Total.	
	By Government Agency.		By Purchasers.		By Free-grantees.		By Right and privilege holders.			
	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.
CENTRAL CIRCLE.		Rs.		Rs.		Rs.		Rs.		Rs.
Reserved.										
Rosha grass	...	...	...	6,189	...	...	...	...	...	6,189
Leaves and pods	...	...	...	2,021	...	...	...	...	...	2,021
Fruits	...	...	...	476	...	...	...	...	...	476
Earth and stones	...	...	...	3,516	...	606	...	190	...	4,312
Grass and grazing... ...	...	5,000	...	5,49,056	...	...	...	33,228	...	5,87,284
Bamboos	...	...	...	10,830	...	477	...	33	...	11,340
Tarwad	...	...	...	1,741	...	...	...	...	...	1,741
Lac	...	...	...	225	...	...	...	...	...	225
Apta Temburni leaves ...	...	...	...	3,884	...	...	...	...	...	3,884
Reeds	...	...	...	255	...	...	...	670	...	925
Thorns	...	...	...	1,161	...	390	...	...	...	1,551
Mangoes	...	...	...	1,632	...	...	...	...	...	1,632
Safet musali	...	...	...	2,168	...	...	...	...	...	2,168
Tolambi	lb. 48,981	3,286	...	...	...	...	...	...	...	3,286
Ghatbor	...	...	...	2,065	...	...	...	...	...	2,065
Chunkhadi	...	...	...	9	...	...	...	12	...	21
Manure	...	...	...	490	...	...	...	...	...	490
Anjan leaves	...	...	...	11,910	...	...	...	...	...	11,910
Kilchan	...	...	...	19	...	19	...	...	...	38
Karvi	...	...	...	2,804	...	...	...	31	...	2 835
Carried over ...	...	8,286	...	6,00,451	...	1,492	...	34,164	...	6,44,393

FORM No. 64.—*Outturn of Minor Forest Produce during the year 1923-1924*—contd.

Description of produce.	Produce Removed or Utilized.								Total.	
	By Government Agency.		By Purchasers.		By Free-grantees.		By Right and privilege holders.			
	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.
Brought over ...	...	Rs. 8,256	...	Rs. 6,00,451	...	Rs. 1,492	...	Rs. 34,164	...	Rs. 6,44,393
CENTRAL CIRCLE—*contd.*										
Reserved—contd.										
Chilhar bark ...	...	...	...	788	...	...	...	...	...	788
Hirda	...	5,272	...	7,999	...	...	...	...	...	13,271
Tantani	...	...	...	39	...	...	...	...	...	39
Shikekai	lbs. 1,880	125	...	436	...	...	...	...	...	561
Karanj seed	...	...	...	54	...	...	...	...	...	54
Tamarind	...	...	...	72	...	...	...	...	...	72
Aloe	...	...	...	892	...	...	...	...	...	892
Shelu	...	...	...	11	...	...	...	...	...	11
Miscellaneous	...	...	...	454	...	122	...	573	...	1,149
Tapping of mad trees ...	...	...	...	115	...	...	...	...	...	115
Oman	...	...	...	538	...	...	...	...	...	538
Shewri	...	...	...	10	...	...	...	...	...	10
Tahal	...	...	...	...	...	...	...	1,515	...	1,515
Honey and wax	...	...	...	...	...	...	...	49	...	49
Total ...	...	13,683	...	6,11,859	...	1,614	...	36,301	...	6,63,457
Leased Forests.										
Grass and grazing ...	...	...	...	177	...	...	...	...	...	177
Earth and stones	...	...	...	1	...	...	...	...	...	1
Total ...	...	...	...	178	...	...	...	...	...	178
Total, Central Circle ...	...	13,683	...	6,12,037	...	1,614	...	36,301	...	6,63,635

FORM No. 64.—*Outturn of Minor Forest Produce during the year 1923-1924*—contd.

Description of produce.	Produce Removed or Utilized.								Total.	
	By Government Agency.		By Purchasers.		By Free-grantees.		By Right and privilege holders.			
	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.
SOUTHERN CIRCLE.		Rs.		Rs.		Rs.		Rs.		Rs.
Bamboos	700	18	3,999,407	72,288	32,346	239	385,450	1,301	4,417,903	73,846
Grass and grazing ...	...	...	...	78,536	...	30,536	...	2,84,339	...	3,93,411
Hirda, shigekai, honey, wax, cinnamon, ramphal, etc., farm.	...	...	...	27,476	...	...	...	...	...	27,476
Prickly pear rafters, pegs and stakes for fence.	...	...	...	87	...	6	...	120	...	213
Thorns	...	...	...	416	...	12	...	1,145	...	1,573
Ulpi sticks ...	...	...	...	8	...	...	...	...	...	8
Kajra seed	...	...	...	10	...	...	...	...	...	10
Hulgal or Karanj seed.	...	...	...	1,952	...	...	...	...	...	1,952
Fruit farm (Undi, and Tamarind).	...	...	...	154	...	...	...	...	...	154
Cocoanuts	...	...	...	10	...	...	...	...	...	10
Baini trees	...	...	...	280	...	...	...	...	...	280
Tali trees	...	...	...	4,077	...	160	...	2,000	...	6,237
Tali leaves... ...	...	...	...	837	...	10	...	...	...	847
Tapping fees on baini trees.	...	...	...	985	...	...	...	...	...	985
Tumri leaves ...	...	...	...	4,418	...	...	...	...	...	4,418
Shindoli leaves ...	...	...	...	22	...	...	...	...	...	22
Green Soppu (leaves).	...	...	...	7	...	...	...	...	...	7
Tarwad bark farm ...	...	...	...	7,983	...	...	...	...	...	7,983
Cane	...	...	...	942	...	10	...	1,250	...	2,208
Karvi	...	...	...	46	...	...	...	...	...	46
Creepers	...	...	...	47	...	...	...	2,250	...	2,297
Broom grass ...	...	...	...	229	...	...	...	...	...	229
Tarvatgi seed farm ...	...	...	...	25	...	...	...	...	...	25
Paddy	...	300	...	...	...	...	...	...	...	300
Gum farm	...	...	...	415	...	...	...	...	...	415
Babul pod farm ...	...	...	...	480	...	...	...	...	...	480
Bandurbi	...	...	..	1,036	...	...	...	...	...	1,036
Quarry fees ...	...	...	...	3,444	...	...	...	...	...	3,444
Carried over ...	...	318	...	2,06,216	...	30,973	...	2,92,405	...	5,29,912

FORM No. 64.—*Outturn of Minor Forest Produce during the year 1923-1924*—contd.

Description of produce.	Produce Removed or Utilized.								Total.	
	By Government Agency.		By Purchasers.		By Free-grantees.		By Right and privilege holders.			
	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.
Brought over ...	...	Rs. 318	...	Rs. 2,06,216	...	Rs. 30,973	...	Rs. 2,92,405	...	Rs. 5,29,912
SOUTHERN CIRCLE—*contd.*										
Stones	...	...	...	2,392	...	8	...	2,484	...	4,884
Metal, muram, earth and sand.	...	...	...	96	...	146	...	2,698	...	2,940
Dagadful farm	...	...	...	257	...	...	...	...	...	257
Chandrapit farm	...	...	...	75	...	...	...	...	...	75
Kalli jantis	...	...	...	64	...	...	...	...	...	64
Keru seed	...	...	...	40	...	...	...	...	...	40
Shembi bark	...	...	...	25	...	...	...	...	...	25
Matti bark	...	...	...	2	...	...	...	...	...	2
Sandalwood seed	...	6	...	...	...	...	...	...	...	6
Total, Southern Circle ...	...	324	...	2,09,167	...	31,127	...	2,97,587	...	5,38,205
SIND CIRCLE.										
Vegetables, fruit and flowers.	...	...	...	769	...	...	...	...	...	769
Forest seeds	Mds. 8 bundls.	8	862	1,663	...	...	...	...	...	1,671
Sar and reed grass ...	160	20	Contract.	3,632	45 Carts	21	...	...	...	3,673
Babul and kandi pods ...	...	...		22,953	...	...	...	...	...	22,953
Lac	...	...		14,987	...	...	...	...	...	14,987
Brush wood	...	...		84	4 Carts	3	...	...	...	87
Paban and Bih	...	...		274	...	...	...	...	...	274
Kamo creeper	...	...		110	...	...	...	...	...	110
Grazing	...	...		33,547	...	3,346	...	2,649	...	39,542
Miscellaneous	...	...		1,051	...	226	...	...	...	1,277
Total, Sind Circle ...	...	28	...	79,070	...	3,596	...	2,649	...	85,343
GRAND TOTAL, PRESIDENCY.	...	21,292	...	11,34,295	...	36,616	...	6,73,050	...	18,65,253

FORM No. 65.—*Account of Timber and other Produce cut or collected by Government Agency and brought to Depôts, sold locally, or otherwise disposed of during the year 1923-1924.*

Name of Division or Range.	Balance at commencement of the year in Forests and Sale Depôts.	Received during the year.	Total.	Disposed of during the year.	Balance in hand at close of the year in Forests and Sale Depôts.
1	2	3.	4	5	6
NORTHERN CIRCLE.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.
Timber.					
Panch Mahals—					
Teak	458	57	515	458	57
Total ...	458	57	515	458	57
Surat—					
Teak	132,271	115,802	248,073	105,060	143,013
Blackwood	.....	1,161	1,161	1,053	108
Injaili	8,073	1,032	9,105	7,688	1,417
Total ...	140,344	117,995	258,339	113,801	144,538
North Thana—					
Teak	32,785	76,590	109,375	83,513	25,862
Injaili	43,713	102,120	145,833	111,351	31,482
Total ...	76,498	178,710	255,208	194,864	60,344
West Thana—					
Teak	1,762	3,785	5,547	5,547	.....
Injaili	192	301	493	493	.....
Total ...	1,954	4,086	6,040	6,040	.....
East Thana—					
Teak	3,193	5,206	8,399	6,319	2,080
Injaili ...	.....	17,334	17,334	5,678	11,656
Total ...	3,193	22,540	25,733	11,997	13,736
West Nasik—					
Teak	38,649	113,040	151,689	43,396	108,293
Total Timber—					
Teak	209,118	314,480	523,598	244,293	279,305
Injaili	51,978	120,787	172,765	125,210	47,555
Blackwood	.....	1,161	1,161	1,053	108
Total ...	261,096	436,428	697,524	370,556	326,968
Fuel—					
Panch Mahals	400	.....	400	400	.....
North Thana ...	121,180	359,460	480,640	396,150	84,490
West Thana	4,020	28,180	32,200	32,000	200
East Thana	107	307,993	308,040	233,166	74,874
East Nasik	.....	600	600	.....	600
Total, Fuel ...	125,707	696,173	821,880	661,716	160,164
Total, Timber and Fuel ..	386,803	1,132,601	1,519,404	1,032,272	487,132
Sandalwood (value).	Rs.	Rs.	Rs.	Rs.	Rs.
East Nasik	.....	4	4	4	.....
West Nasik	1,000	.....	1,000	.....	1,000
Total ..	1,000	4	1,004	4	1,000

FORM No. 65.—*Account of Timber and other Produce cut or collected by Government Agency and brought to Depôts, sold locally, or otherwise disposed of during the year 1923-24*—contd.

Name of Division or Range.	Balance at commencement of the year in Forests and Sale Depôts.	Received during the year.	Total.	Disposed of during the year.	Balance in hand at close of the year in Forests and Sale Depôts.
1	2	3	4	5	6
NORTHERN CIRCLE -*contd.*					
Minor Forest Produce.	Rs.	Rs.	Rs.	Rs.	Rs
Panch Mahals—					
Teak seed	87	210	297	87	210
Grass	.....	4,462	4,462	4,462	.....
Bamboos	.....	10	10	.....	10
North Thana—					
Grass	.....	2,575	2,575	2,575	.....
Total ...	87	7,257	7,344	7,124	220
	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.
Total, Northern Circle ...	386,803 + Rs. 1,087	1,132,601 + Rs. 7,261	1,519,404 + Rs. 8,348	1,032,272 + Rs. 7,128	487,132 + Rs. 1,220
	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.
CENTRAL CIRCLE.					
Timber (cubic feet).					
East Khándesh	1,875	11,482	13,357	11,104	2,253
North Khándesh	1,312	1,060	2,372	349	2,023
West Khándesh	700	843	1,543	318	1,225
Poona	.....	28	28	28	.....
Kolaba	935	3,813	4,748	3,442	1,306
Sátara	45	36	81	45	36
Total, Timber ...	4,867	17,262	22,129	15,286	6,843
Fuel (cubic feet).					
East Khándesh	9,040	.....	9,040	820	8,220
North Khándesh	2,120	7,000	9,120	2,200	6,920
Poona	27,254	208,392	235,646	219,605	16,041
Kolaba	26,976	36,000	62,976	41,844	21,132
Sátara	508,410	319,000	827,410	300,365	527,045
Total, Fuel ...	573,800	570,392	1,144,192	564,834	579,358
Modhal Logs (cubic feet).					
West Khándesh	538	.....	538	538	.....
Mhowra flowers or Tolambi (lbs.)		Lbs.	Lbs.	Lbs.	
West Khándesh	.....	35,091	35,091	35,091	.....
North Khándesh	.....	13,890	13,890	13,890	.....
Total ..	.....	48,981	48,981	48,981	.....
Minor Forest Produce (value).		Rs.	Rs.	Rs.	Rs.
Poona—					
Hirda	.....	5,272	5,272	5,272	.....
Kolaba—					
Shikekai	.....	125	125	.....	125
West Khándesh—					
Grass	.....	5,000	5,000	5,000	.....
Total ...	.....	10,397	10,397	10,272	125

FORM No. 65.—*Account of Timber and other Produce cut or collected by Government Agency and brought to Depôts, sold locally, or otherwise disposed of during the year 1923-1924*—contd.

Name of Division or Range.	Balance at commencement of the year in Forests and Sale Depôts.	Received during the year.	Total.	Disposed of during the year.	Balance in hand at close of the year in Forests and Sale Depôts.
1	2	3	4	5	6
CENTRAL CIRCLE—*contd.*	Rs.	Rs.	Rs.	Rs.	Rs.
Sandalwood (value).					
Sátara	.....	1,170	1,170	1,170	.....
Charcoal (cubic feet).	C. ft	C. ft.	C. ft.	C. ft.	C. ft.
West Khandesh	940	.....	940	940	.....
Sátára	923*	96,874	97,797	85,855	11,942
Total ...	1,863	96,874	98,737	86,795	11,942
Total, Central Circle ...	C ft. 581,068 Lbs. ..... Rs.	C. ft. 684,528 Lbs. 48,981 Rs. 11,567	C. ft. 1,265,598 Lbs. 48,981 Rs. 11,567	C. ft. 667,453 Lbs. 48,981 Rs. 11,442	C. ft. 598,143 Lbs. ..... Rs. 125
SOUTHERN CIRCLE.					
Timber.					
Kánara, Northern Division—	C. ft.	C. ft	C. ft.	C. ft.	C. ft
Teak	286,474	443,328	729,762	346,062	383,700
Blackwood	28 433	4,640	33,073	4,099	28,974
Junglewood	247,680	108,139	355,819	71,647	284,172
Total ...	562,547	556,107	1,118,654	421,908	696,846
Kánara, Eastern Division—					
Teak	317,192	223,143	540,335	280,521	259 814
Blackwood	7,'59	3,2 2	10,391	19	10,372
Junglewood	89,042	8 ,117	175,159	120,349	54,810
Total ...	413,393	312,492	725,885	400,889	324,996.
Kánara, Central Division—					
Teak	2.592	42,738	45,330	6,601	38,729
Blackwood	1,845	4,608	6,653	6,229	424
Junglewood	68.139	100,923	169,062	97,68	71,382
Tot l ...	72,576	148,469	221,045	110,510	110,535
Kánara, Southern Division—					
Teak	53,714	14,045	67,759	19,701	48,058
Blackwood ...	352	710	1,062	629	433
Junglewood	77,12)	42,243	119,363	48,'37	71,026
Total ..	131,186	56,998	188,184	66,667	119,517
Kánara, Western Division—					
Teak	41,444	81,708	123,152	59,270	63,882
Blackwood	10	734	744	721	23
Junglewood	12,994	82,805	95,799	25,722	70,077
Total ...	54,448	165,247	219,695	85,713	133,982

* The balance 3,570 was wrongly shown last year.

FORM No. 65.—*Account of Timber and other Produce cut or collected by Government Agency and brought to Depôts, sold locally, or otherwise disposed of during the year 1923-24*—contd.

Name of Division or Range.	Balance at commencement of the year in Forests and Sale Depôts.	Received during the year.	Total.	Disposed of during the year.	Balance in hand at close of the year in Forests and Sale Depôts.
1	2	3	4	5	6
SOUTHERN CIRCLE—*contd.*	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.
Timber—contd.					
Belgaum—					
Teak	112	4,434	4,546	4,151	395
Blackwood	1,738	303	2,041	1,740	301
Junglewood	1,683	2,387	4,070	3,127	943
Total ...	3,533	7,124	10,657	9,018	1,639
Dhárwár-Bijápur—					
Teak	.....	2,899	2,899	2,899	.....
Blackwood	.....	.....	.....	.....	.....
Junglewood	8	.....	8	8	.....
Total ...	8	2,899	2,907	2,907	.....
Total, Timber—					
Teak	701,488	812,295	1,513,783	719,205	794,578
Blackwood	39,537	14,427	53,964	13,437	40,527
Junglewood	496,666	422,614	919,280	366,870	552,410
Total ...	1,237,691	1,249,336	2,487,027	1,099,512	1,387,515
Fuel.					
Kánara, Northern Division	79,452	207,191	286,643	179,525	107,118
Kánara, Central do.	64,691	103,133	167,824	54,478	113,346
Kánara, Southern do.	131,315	33,545	164,860	50,818	114,042
Kánara, Western do.	284,576	550,119	834,695	542,141	292,554
Belgaum	523,606	1,742,436	2,266,042	995,531	1,270,511
Dhárwár-Bijápur	.....	2,213	2,213	2,213	.....
Total ...	1,083,640	2,638,637	3,722,277	1,824,706	1,897,571
Sandalwood (value).	Rs	Rs.	Rs.	Rs.	Rs.
Kánara, Northern Division	.....	849	849	849	.....
Kánara, Eastern do.	.....	18,028	18,028	18,028	.....
Kánara, Central do.	115	7,659	7,774	7,684	90
Kánara, Southern do.	.....	1,189	1,189	1,159	30
Belgaum	4,000	14,475	18,475	17,975	500
Dhárwár-Bijápur	3,190	21,565	24,755	23,171	1,594
Total ...	7,305	63,765	71,070	68,866	2,204

FORM No. 65.—*Account of Timber and other Produce cut or collected by Government Agency and brought to Depôts, sold locally, or otherwise disposed of during the year 1923-1924*—contd.

Name of Division or Range.	Balance at commencement of the year in Forests and Sale Depôts.	Received during the year.	Total.	Disposed of during the year.	Balance in hand at close of the year in Forests and Sale Depôts.
1	2	3	4	5	6
SOUTHERN CIRCLE—*concld.*	Rs.	Rs.	Rs.	Rs.	Rs.
Bamboos (value).					
Kánara, Central Division	.....	18	18	18	.....
Minor Forest Produce (value).					
Kánara, Northern Division	365	300	665	300	365
Belgaum	.....	6	6	6	.....
Total ...	365	306	671	306	365
Drift and waifwood and confiscated Forest Produce (value).					
Kánara, Northern Division	.....	27	27	27*	.....
Kánara, Central Division	57	119	176	124	52
Kánara, Southern Division	.....	11	11	11	.....
Kánara, Western Division	.....	663	663	166	497
Belgaum	.....	73	73	73	.....
Dhárwár-Bijápur	6	201	207	15	192
Total ...	63	1,094	1,157	416	741
Total, Southern Circle. { Cubic feet / Rs. ...	2,331,331 / 7,733	3,887,973 / 65,183	6,209,304 / 72,916	2,924,218 / 69,606	3,285,086 / 3,310
SIND CIRCLE.					
Timber.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.
Sukkur	4,016	4,263	8,279	7,872	407
Shikarpur	.....	801	801	801	.....
Lárkána	40	.....	40	.....	40
Hyderabad	70	16,499	16,569	5,728	10,841
Karáchi	.....	11,094	11,094	10,823	271
Total ...	4,126	32,657	36,783	25,224	11,559

* Part value, *viz.*, Rs. 25 is credited to Revenue IIa.

FORM No. 65.—*Account of Timber and other Produce cut or collected by Government Agency and brought to Depôts, sold locally, or otherwise disposed of during the year 1923-1924*—concld.

Name of Division or Range.	Balance at commencement of the year in Forests and Sale Depôts.	Received during the year.	Total.	Disposed of during the year.	Balance in hand at close of the year in Forests and Sale Depôts.
1	2	3	4	5	6
SIND CIRCLE—*contd.*	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.
Fuel.					
Sukkur	155,375	216,815	372,190	360,454	11,736
Shikarpur	25,556	282,893	308,449	283,307	25,142
Lárkána	.....	10,004	10,004	10,004	.....
Hyderabad	22,913	244,863	267,776	210,106	57,670
Karáchi	172,171	863,118	1,035,289	980,541	54,748
Total ...	376,015	1,617,693	1,993,708	1,844,412	149,296
Minor Forest Produce (value).	Rs.	Rs.	Rs.	Rs.	Rs.
Sukkur	719	1,811	2,530	2,411	119
Shikarpur	242	890	1,132	980	152
Lárkána	78	1,515	1,593	1,564	29
Hyderabad	438	3,764	4,202	4,036	166
Karáchi	220	2,545	2,765	2,027	738
Total ...	1,697	10,525	12,222	11,018	1,204
Total, Sind Circle ...	C. ft. 380,141 Rs. 1,697	C. ft. 1,350,350 Rs. 10,525	C. ft. 2,030,491 Rs. 12,222	C. ft. 1,869,636 Rs 11,018	C. ft. 160,855 Rs. 1,204
Grand Total, Presidency, C. ft. ...	3,669,343	7,355,452	11,024,795	6,493,579	4,531,216
Grand Total, Presidency, Lbs ...	.....	48,981	48,981	48,981	.....
Grand Total, Presidency, Rs. ...	10,517	94,536	1,05,053	99,194	5,859

FORM No. 66.—*Abstract showing the value of Timber and other Produce at Sale Depôts for the year 1923-1924.*

Description of Timber and other produce.	On hand at commencement of the year.			On hand at close of the year.			Difference in value.	
	No.	Cubic feet.	Value.	No.	Cubic feet.	Value.	In favour of the year.	Against the year.
1	2	3	4	5	6	7	8	9
NORTHERN CIRCLE.			Rs.			Rs.	Rs.	
Timber	...	261,096	2,21,769	...	326,968	2,41,722	19,953	...
Fuel	...	125,707	3,187	...	160,164	3,729	542	...
Sandalwood	...	...	1,000	...	...	1,000	...	...
Minor Forest Produce ...	...	...	87	...	...	220	133	...
Total, Northern Circle.	...	...	2,26,043	...	...	2,46,671	20,628	...
CENTRAL CIRCLE.								
Timber	2,567	4,867	2,673	2,433	6,843	3,339	666	...
Firewood	452	573,800	38,780	411	579,358	43,032	4,252	...
Modhal Logs... ...	...	538	403	...	...	...	...	403
Charcoal	...	1,863*	368	...	11,942 lbs.	2,687	2,319	...
Shikekai pods ...	...	...	...	...	1,880	125	125	...
Total, Central Circle ...	...	...	42,224	...	...	49,183	7,362	403†
SOUTHERN CIRCLE.								
Timber.								
Teak	57,643	701,488	14,54,422	63,326	794,578	15,46,066	91,644	...
Blackwood	2,885	39,537	58,788	2,970	40,527	61,296	2,508	...
Junglewood	22,300	496,666	4,00,464	33,073	552,410	5,11,283	1,10,819	...
Total, Timber ...	82,828	1,237,691	19,13,674	99,369	1,387,515	21,18,645	2,04,971	...
Fuel	...	1,083,640	1,19,348	...	1,897,571	3,05,402	86,054	...
Sandalwood	...	...	7,305	...	...	2,204	...	5,101‡
Minor Forest Produce...	...	...	365	...	...	365	...	...
Drift and waifwood and confiscated forest produce	...	...	63	...	...	741	678	...
Total, Southern Circle.	...	...	20,40,755	...	...	23,27,357	2,91,703	5,101
SIND CIRCLE.								
Timber	951	4,126	1,547	...	11,559	14,090	12,543	...
Fuel	...	376,015	22,560	...	149,296	7,385	...	15,175
Minor Produce ...	...	...	1,697	...	...	1,204	...	493
Total, Sind Circle ...	...	...	25,804	...	...	22,679	12,543	15,668§
GRAND TOTAL PRESIDENCY.	...	...	23,34,826	...	...	26,45,890	3,32,236	21,172‖

*Last year's mistake has been corrected.
†Net difference in favour of the year Rs. 6,959.
‡Net difference in favour of the year Rs. 2,86,602.
§Net difference against the year Rs. 3,125.
‖Rs. 3,11,064. Net in favour of the year.

FORM No. 67.—*Abstract showing the value of Live and Dead Stock for the year 1923-24.*

Description of Live and Dead Stock.	On hand at commencement of the year.		On hand at close of the year.		Difference in value.		Remarks.
	No.	Value.	No.	Value.	In favour of the year.	Against the year.	
1	2	3	4	5	6	7	8
GENERAL DIRECTION DIVISION.		Rs.		Rs.	Rs.	Rs.	
Tents (servants' pals).	2	239	2	225	...	14	
Bicycles ...	2	400	2	380	...	20	
Office furniture ...	...	782	...	748	11	45	
Remington Typewriters.	2	907	2	624	210	493*	
Corona Typewriters ...	1	180	...	...	...	180	Sent to the Southern Circle.
Office Clock ... / Time-piece .	2	83	2	78	...	5	Net against the year Rs. 536.
Total† ...	...	2,591	...	2,055	221	757	
FOREST ENGINEERING BRANCH.							
Tools and Office furniture.	...	4,743	...	6,840	2,097	...	
Raotees and pals ...	10	1,444	10	1,332	...	112	
Mathematical instruments, drawing Boards, etc.	...	7,817	...	7,479	...	338	
Vertical boiler No. 78509 and pump.	1	2,698	1	2,563	...	135	
Petter Junior Oil Engine with pole Cross-cut saw, Trolley and all accessaries, complete.	1	2,717	1	2,582	...	135	
Fordson Tractor with accessaries, complete.	...	...	1	3,593	3,593	...	
Peacock skidding winch with accessaries, complete.	...	...	1	2,632	2,632	...	

* One No. 11-D was sent back to the Superintendent, Government Printing and Stationery and one Portable was received from him.

† NOTE.—Allowance for deterioration has been calculated at 5 per cent. on the original value.

FORM NO. 67.—*Abstract showing the value of Live and Dead Stock for the year 1923-24*—contd.

Description of Live and Dead Stock.	On hand at commencement of the year.		On hand at close of the year.		Difference in value.		Remarks.
	No.	Value.	No.	Value.	In favour of the year.	Against the year.	
1	2	3	4	5	6	7	8
FOREST ENGINEERING BRANCH—*continued.*		Rs.		Rs.	Rs.	Rs.	
Foden Tractor and 8 ton Dyson Trailer, Tarpaulin and with accessaries, etc., complete.	...	...	1	22,000	22,000	...	
19 N. H. P. Portable Steam Engines with extra parts and accessaries, complete.	...	...	2	11,467	11,467	...	
Rail curving machine .	...	...	1	155	155	...	
American Log Mills, Nos. 2 and Heacock belt feed 1.	...	...	2	17,584	17,584	...	
Cyclostyle ...	1	...	1	Not	known.	...	
Bicycle with accessaries.	1	177	1	168	...	9	
Typewriter (Remington No. 11).	1	...	1	Not	known.	...	
Typewriter (Remington Portable).	1	225	1	214	...	11	
Medicine chests ...	3	...	3	Not	known.	...	
Ferro printing frame 29″ × 42″.	1	307	1	292	...	15	
Light Railway Material.							
9½ miles of light Railway track 25 Lb. section, 2′ gauge with fish bolts, fishplates, dogspikes, etc., complete, and 21 sets of points and crossings.							
Rolling stock.	..	1,41,995	...	1,48,432	6,437	...	
Double-bogies box bodies No. 25 Platform wagons 22′ No. 6.							
Nos.							
Timber bogies . 6							
Other bogies ... 4							
Tipping wagons. 3							
Earthenware pipes ... 50							

FORM NO. 67.—*Abstract showing the value of Live and Dead Stock for the year 1923-24*—contd.

Description of Live and Dead Stock.	On hand at commencement of the year.		On hand at close of the year.		Difference in Value.		Remarks.
	No.	Value.	No.	Value.	In favour of the year.	Against the year.	
1	2	3	4	5	6	7	8
FOREST ENGINEERING BRANCH—*continued.*		Rs.		Rs.	Rs.	Rs.	
Mechanical appliances.							
"Mallorys" Logging equipment articles. Atkins Perfection Saws No. 70. Crucible wire rope 1,500'. Flexible Plough steel wire rope 2,000'. Special extra flexible plough steel wire rope 400'. Contractors Horse power Nos. 2 and 3 Duplex geared No. 2. Double purchase crab, double drum No. 11. No. 1. Galvanised Iron Heart Thimbles. Guy: Derrick 10" mast and Guy tighteners and Bulldog clamp clips. Pulleys and bushes and gloves. Split pulleys 3 ... Plummer blocks 2 ... Galvanised Iron pulley blocks 4. Manilla Rope ⅝" diameter 3 Cwts.	...	...	...	11,670	11,670	...	
One set of Saw Maker's tools.		...	1 set.	572	572	...	
Total ...	...	1,62,123	...	2,39,575	78,207	755*	

* In favour of the year Rs. 77,452.

FORM NO. 67.—*Abstract showing the value of Live and Dead Stock for the year 1923-24*—contd.

Description of Live and Dead Stock.	On hand at commencement of the year.		On hand at close of the year.		Difference in value.		Remarks.
	No.	Value.	No.	Value.	In favour of the year.	Against the year.	
1	2	3	4	5	6	7	8
NORTHERN CIRCLE.		Rs.		Rs.	Rs.	Rs.	
Live Stock.							
Bullock ...	1	93	1	79	...	14	
Buffaloes ...	2		2				
Dead Stock.							
Buildings ...	376	4,86,015	390	5,08,235	46,520	24,300	
Copying Machines ...	8	...	8	...	...	...	
Cyclostyles ...	9	...	9	...	...	...	
Carts ...	7	104	69	4,257	4,158	5	
Hay presses ...	97	...	100	...	...	...	
Steel wire ropes ...	12	...	12	...	...	...	
Remington Type-writers.	10	...	9	...	...	...	
Hammond Type-writers.	2	509	2	484	...	25	
Tents and Raoties ...	34	5,159	35	6,101	1,200	258	
Fowler train ...	1	23,218	1	22,057	...	1,161	
Saw sharpening Machines.	2	1,104	2	1,049	...	55	
Clips ...	38	...	38	...	...	...	
Small stands ...	6	...	6	...	...	...	
Large stands ...	2	...	2	...	...	...	
Big bolts ...	9	...	9	...	...	...	
Office furniture, etc. ...	...	38,938	...	36,991	...	1,947	
Seed rubbing Cylindrical Machine.	1	68	1	65	...	3	
Bicycle ...	1	130	1	124	...	6	
Sawmill Machinery ...	...	3,888	...	3,694	...	194	
Portable steam Engine.	2	23,182	2	22,023	...	1,159	

FORM No. 67.—*Abstract showing the value of Live and Dead Stock for the year 1923-24*—contd.

Description of Live and Dead Stock.	On hand at commencement of the year.		On hand at close of the year		Difference in value.		Remarks.
	No.	Value.	No.	Value.	In favour of the year.	Against the year.	
1	2	3	4	5	6	7	8
NORTHERN CIRCLE—*continued.*		Rs.		Rs.	Rs.	Rs.	
Dead Stock—continued.							
Cart weighing Bridge .	1	2,364	1	2,246	...	118	
American Standard Sawmill.	1	4,150	1	3,943	...	207	
Band saw Machine ..	1	3,230	1	3,069	...	161	
Road Roller ...	1	400	1	380	...	20	
Cart-wheel pairs ...	14	794	14	754	...	40	
Drilling Machine ...		...	1	535	535	...	
24 Solid Locket Bangor Peavies (2½" × 4½') with rock maple handles.	...	...	24	480	480	...	
Portable Remington Typewriter.	...	...	1	...	...	...	
Auto-Kodak with leather case.	...	...	1	101	101	...	
Badgi Sawmill.							
Circular saw-bench ...	...	...	1	530	530	...	
Circular and Ripsaws .	...	...	29	2,048	2,048	...	
Buffalo ball bearing fast drilling machine and a set of Drills.	...	...	1	118	118	...	
Blacksmith's sledge hammers.		...	2	6	6	...	
Carpenter's Rip Saw 30".	...	...	1	7	7	...	
Carpenter's Chisels of sizes.	..	...	2	4	4	...	
Hack saw frames ...	...	...	1	3	3	...	
Hack saw blades ...	...	...	12	4	4	...	
Engineer's Hammers 2½ lb.	...	...	3	5	5	...	
Total ...	...	5,93,253	...	6,19,313	55,719	29,659	Net difference in favour of the year Rs. 26,046.
Total, Northern Circle ...	...	5,93,346	...	6,19,392	55,719	29,673	

FORM NO. 67.—*Abstract showing the value of Live and Dead Stock for the year 1923-24*—contd.

Description of Live and Dead Stock.	On hand at commencement of the year.		On hand at close of the year.		Difference in value.		Remarks.
	No.	Value.	No.	Value.	In favour of the year.	Against the year.	
1	2	3	4	5	6	7	8
CENTRAL CIRCLE.		Rs.		Rs.	Rs.	Rs.	
Buildings ...	200	2,14,038	202	2,08,488	5,152	10,702	Two buildings were transferred from the Police Dept. to F.D. in W. Khandesh.
Tents ...	7*	1,175*	7	1,117	...	58	*Last year 1 "cabul pal" was shown through mistake, against 'Tents' and hence the decrease. This year it is added to 'Raotis, etc.'
Rahutis (Cabul pals and fans, etc.	33*	2,484*	33	2,360	...	124	
Tools, plant and office furniture.	...	35,793	...	35,776	1,773	1,790	
Remington Typewriters.	9	...	9	...	...	...	
Corona Typewriters ...	1	...	1	...	...	...	
Empire ,, ...	1	..	1	...	...	...	
Copying machines ...	4	...	5	*...	...	...	*Less shown in previous return now included.
Cyclostyles ...	5	...	6				
Boat with fittings ...	1	1,045	1	993	...	52	
Boom with accessories.	...	462	...	439	...	23	
Road Roller ...	1	426	1	405	...	21	
Bicycles ...	4	741	4	704	...	37	
Dug-out boats ...	4	200	4	190	...	10	
Boat at Toranmal ...	...	...	1	...	...	...	
Total, Central Circle...	...	2,56,364	...	2,50,472	6,925	12,817	5,892 Net difference against the year.

FORM No. 67.—*Abstract showing the value of Live and Dead Stock for the year 1923-24*—contd.

Description of Live and Dead Stock.	On hand at commencement of the year.		On hand at close of the year.		Difference in value.		Remarks.
	No.	Value.	No.	Value.	In favour of the year.	Against the year.	
1	2	3	4	5	6	7	8
SOUTHERN CIRCLE.		Rs.		Rs.	Rs.	Rs.	
Live Stock.							
Buffaloes and bullocks.	52	2,475	62	3,223	1,366	618	
Dead Stock.							
Buildings ...	365	3,80,411	365	2,88,363	7,508	21,322 78,234(*a*)	
Wells ...	20	8,310	41	10,030	2,570(*b*)	850	(*a*) Value shown in excess in previous returns now debited. (*b*) Value omitted in previous years now added.
Tents ...	20	7,282	41	7,869	227(*b*)	537	
Raotis ...	22	1,351				454(*a*)	
Tools, plant and office furniture.	...	77,931	...	79,038	6,025	4,660 258(*a*)	
Typewriters—							
Remington ...	7	Not known	9 (*b*)	Not known	...	...	(*c*) Received from Chief Conservator.
Empire ...	1		1				
Hammond ...	2		2				
Corona ...	2		3 (*c*)				
Underwood ...	1		1				
Cyclostyles ...	7	Do.	7	Do.	...	...	
Copying machines ...	2		2				
Trolly wheels set ...	1	98	1	93	...	5	
Carts ...	47	2,143	47	2,167	804	780	
Guns ...	9	411	9	389	...	22	
Bicycles ...	9	1,319	11	1,501	318	70 66(*a*)	
Iron safes ...	15	1,597	15	1,604	108	101	
Monorail material ...	...	12,944	...	12,257	114	801	
Sawmills (steam power).	5	1,00,753	5	90,818	5,364	5,130 10,169(*a*)	
Distillation plant ..	1	677	1	642	...	35	

FORM No. 67.—*Abstract showing the value of Live and Dead Stock for the year 1923-24*—concld.

Description of Live and Dead Stock.	On hand at commencement of the year.		On hand at close of the year.		Difference in value.		Remarks.
	No.	Value.	No.	Value.	In favour of the year.	Against the year.	
1	2	3	4	5	6	7	8
SOUTHERN CIRCLE—*continued.*		Rs.		Rs.	Rs.	Rs.	
Dead Stock—continued.							
Windlass ...	1	893	1	848	...	45	
Crabwinch ...	1	36	1	34	...	2	
Avery's Platform weighing machine.	1	750	1	713	...	37	
Total ...	..	5,96,906	...	4,96,366	23,038	1,23,578	Net difference against the year Rs. 99,792.
*Total, Southern Circle ...	...	5,99,381	...	4,99,589	24,404	1,24,196	
SIND CIRCLE.							
Live Stock.							
Camels ...	5	310	5	264	...	46	
Total ...	5	310	5	264	...	46	
Dead Stock.							
Buildings ...	90*	75,280*	91	73,018	1,500	3,764	*Last years mistake now rectified.
Tents ...	15	3,903	15	3,708	...	195	
Stores, Mathematical .	1,005	5,155	998	4,942	65	278	
Tools, plants and office furniture.	3,575	18,144	3,569	17,791	753	1,106	
Remington Type-writer.	8	...	10	...	...	...	
Copying Machine	1	...	1	...		...	Net difference against the year Rs. 3,091.
Iron Safes ...	1	165	1	157	...	8	
Bicycles ...	2	271	2	257	...	14	
Total ...	4,697	1,02,918	4,687	99, 873	2,318	5,363	
Total Sind ...	4,702	1,03,228	4,692	1,00,137	2,318	5,409	
Grand Total Presidency ..	...	17,17,033	...	17,11,220	1,67,794	1,73,607	Net against the year Rs. 5,813.

* NOTE.—Allowance for deterioration in the value of Live and Dead Stock at 15 per cent. and 5 per cent. respectively has been calculated on the original value.

FORM No. 68.—*Summary of Revenue and Expenditure*

Budget Head.	Direction.	Working Plan Division.	Panch Mahâls Division.	Surat Division.
NORTHERN CIRCLE.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
REVENUE.				
I.—Timber and other Produce removed from the Forests by Government Agency—				
a. Timber	.....	.....	305 0 0	2,55,685 15 1
b. Firewood and charcoal	.....	.....	.....	.....
c. Bamboos	.....	.....	.....	.....
d. Sandalwood	.....	.....	.....	.....
e. Grass and other minor produce ...	.....	.....	4,461 8 4	.....
Total I ...	....	.....	4,766 8 4	2,55,685 15 1
II.—Timber and other Produce removed from the Forests by Consumers or Purchasers—				
a. Timber	.....	.....	3,31,519 12 9	1,93,850 8 3
b. Firewood and charcoal	.....	.....	14,370 3 0	164 4 0
c. Bamboos	.....	.....	3,688 9 11	24,359 11 5
d. Grazing and fodder grass ...	.....	.....	21,683 3 0	1,112 6 0
e. Other minor produce	.....	.....	27,102 13 1	4,111 3 11
f. Other items	.....	.....	.....	.....
g. Commutation fees	.....	.....	.....	.....
Total II ...	.....	.....	3,98,364 9 9	2,23,598 1 7
III.—Drift and waif wood and Confiscated Forest Produce	.....	.....	11 0 0	.....
Total III ...	.....	.....	11 0 0	.....
IV.—Revenue from Forests not managed by Government—				
a. Duty on foreign timber and other forest produce	.....	.....	.....	.....
b. Revenue from shared and private forests	.....	.....	.....	.....
Total IV ...	.....	.....	.....	.....
V.—Miscellaneous—				
a. Fines and forfeitures	.....	.....	1,547 10 6	435 15 0
b. Refunds	.....	.....	395 1 0	424 3 10
c. Other sources	1,053 10 0	.....	31,490 0 4	2,760 4 10
Total V ...	1,053 10 0	.....	33,432 11 10	3,620 7 8
Deduct—Refunds ...	.....	.....	*—1,422 7 0*	*—426 6 0*
Grand Total, Revenue ...	1,053 10 0	.....	4,35,152 6 11	4,82,478 2 4

of the different Divisions for the financial year 1923-1924.

North Thána Division.	East Thána Division.	West Thána Division.	East Násik Division.	West Násik Division.	Total for the year 1923-1924.
Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
47,991 13 0	8,324 6 0	2,087 8 0	.....	32,848 8 6	3,47,243 2 7
125 0 0	2,448 4 0	54 0 0	.....	6 4 0	2,633 8 0
.....	.....	.....	.....	.....	.....
.....	.....	.....	4 0 0	.....	4 0 0
.....	.....	.....	.....	.....	4,461 3 4
48,116 13 0	10,772 10 0	2,141 8 0	4 0 0	32,854 12 6	3,54,342 2 11
5,11,416 11 3	2,66,612 0 6	2,85,576 5 6	19,715 7 0	49,288 4 0	16,57,979 1 5
1,317 9 0	2,532 13 0	1,750 11 9	19,644 9 9	11,311 14 0	51,092 0 6
6,696 4 0	6,763 15 3	3,204 0 0	67 3 0	5,991 4 3	50,770 15 10
3,403 1 1	8,676 1 0	2,473 8 0	70,174 6 0	19,063 8 0	1,26,586 1 1
316 6 0	5,168 14 0	4,072 9 0	11,838 1 6	6,629 3 6	59,239 3 0
.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....
5,23,149 15 4	2,89,753 11 9	2,97,077 2 3	1,21,439 11 3	92,284 1 9	19,45,667 5 8
.....	174 11 0	76 8 6	46 5 0	50 4 0	358 12 6
.....	174 11 0	76 8 6	46 5 0	50 4 0	358 12 6
.....	.....	.....	.....	.....	.....
500 0 0	.....	10,871 0 0	.....	.....	11,371 0 0
500 0 0	.....	10,871 0 0	.....	.....	11,371 0 0
1,113 0 0	723 0 0	1,094 8 0	775 15 0	3,314 0 0	9,004 0 6
26 12 0	16 1 0	0 11 0	10 2 0	375 1 0	1,247 15 10
12,122 4 4	9,834 10 2	9,184 0 4	10,565 14 9	7,885 11 6	84,896 8 3
13,262 0 4	10,573 11 2	10,279 3 4	11,351 15 9	11,574 12 6	95,148 8 7
—282 8 6	*—59 9 0*	*—305 6 0*	*—152 11 0*	*—61 0 0*	*—2,739 15 6*
5,84,746 4 2	3,11,215 2 11	3,20,140 0 1	1,32,659 5 0	1,36,702 14 9	24,04,147 14 2

FORM NO. 68—*Summary of Revenue and Expenditure*

Budget Head.	Direction.	Working Plan Division.	Panch Mahals Division.	Surat Division.
EXPENDITURE.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
A.—CONSERVANCY AND WORKS.				
I.—Timber and other Produce removed from the Forests by Government Agency—				
a. Timber	.....	.....	31 0 0	1,34,204 15 11
b. Firewood and charcoal	.....	.....	.....	.....
c. Bamboos	.....	.....	.....	20 0 0
d. Sandalwood	.....	.....	.....	.....
e. Grass and other minor produce ...	.....	.....	198 10 0	17 10 0
Total A-I ...	.....	.....	229 10 0	1,34,242 9 11
II.—Timber and other Produce removed from the Forests by Consumers or Purchasers	.....	.....	1,555 12 0	8,704 13 3
Total A-II ...	.....	.....	1,555 12 0	8,704 13 3
III.—Drift and waif wood and Confiscated forest produce	.....	.....	.....	.....
Total A-III ...	.....	.....	.....	.....
IV.—Revenue from forests not managed by Government—				
a. Duty on foreign timber and other forest produce	.....	.....	.....	.....
b. Revenue from shared and private forests	.....	.....	.....	.....
Total A-IV ...	.....	.....	.....	.....
V.—Rent of leased forests and payments to share holders in Forests managed by Government	.....	.....	.....	26,853 2 0
Total A-V ...	.....	.....	.....	26,853 2 0
VI.—Live-stock, stores, Tools and Plant—				
a. Purchase of cattle	.....	.....	.....	.....
b. Feed and keep of cattle	.....	.....	.....	298 15 0
c. Purchase of stores, tools and plant.	264 8 0	160 0 0	17 9 6	1,658 10 1
Total A-VI ...	264 8 0	160 0 0	17 9 6	1,957 9 1
VII.—Communications and buildings—				
a. Roads and bridges	.....	.....	.....	6,885 1 9
b. Buildings	.....	.....	973 8 0	6,885 0 3
c. Other works	.....	.....	262 9 9	1,129 3 0
Total A-VII ...	.....	.....	1,236 1 9	14,899 5 0

of the different Divisions for the financial year 1923-1924—contd.

North Thána Division.	East Thána Division.	West Thána Division.	East Násik Division.	West Násik Division.	Total for the year 1923-1924.
Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
20,937 0 3	3,423 14 6	1,769 2 0	.....	60,545 10 3	2,20,911 10 11
.....	1,149 13 8	.....	66 3 6	.....	1,216 1 2
.....	.....	.....	.....	.....	20 0 0
.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	216 4 0
20,937 0 3	4,573 12 2	1,769 2 0	66 3 6	60,545 10 3	2,22,361 0 1
4,634 8 0	2,731 0 6	2,868 10 6	243 5 0	4,174 0 0	24,912 1 3
4,634 8 0	2,731 0 6	2,868 10 6	243 5 0	4,174 0 0	24,912 1 3
5 8 0	.....	.....	.....	9 12 0	15 4 0
5 8 0	.....	.....	.....	9 12 0	15 4 0
.....	.....	.....	.....		.....
.....	.....	.....	52 8 0	.....	52 8 0
.....	.....	.....	52 8 0	.....	52 8 0
.....	1,139 1 0	458 8 0	.....	.....	28,450 11 0
.....	1,139 1 0	458 8 0	.....	.....	28,450 11 0
.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	298 15 0
132 1 0	100 0 0	98 8 0	355 0 0	2,263 12 0	5,050 0 7
132 1 0	100 0 0	98 8 0	355 0 0	2,263 12 0	5,348 15 7
161 7 0	951 0 3	698 14 6	.....	1,573 7 0	10,269 14 6
1,421 10 10	631 10 3	814 0 6	0 11 0	7,935 11 9	18,662 4 7
28 0 0	33 13 9	249 4 0	.....	35 0 0	1,737 14 6
1,611 1 10	1,616 8 3	1,762 3 0	0 11 0	9,544 2 9	30,670 1 7

FORM No. 68.—*Summary of Revenue and Expenditure*

Budget Head.	Direction.	Working Plan Division.	Panch Mahâls Division.	Surat Division.
EXPENDITURE—*continued.*	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
A.—CONSERVANCY AND WORKS—*continued.*				
VIII.—Organization, Improvement and Extension of Forest—				
a. Demarcation	.....	.....	.....	17 15 0
b. Cost of forest settlements and compensation for land and rights.	.....	.....	20 4 0	.....
c. Surveys	1,002 12 0	.....	.....	.....
d. Working-plans	.....	1,155 6 6	782 1 0	86 0 0
e. Sowing and planting...	.....	.....	1,499 14 8	2,499 1 0
f. Protection from fire	.....	.....	2,654 0 4	6,739 1 3
g. Other works	.....	.....	.....	777 8 9
Total A-VIII ...	1,002 12 0	1,155 6 6	4,956 4 0	10,139 10 0
IX.—Miscellaneous—				
a. Law charges	.....	.....	.....	.....
b. Grain compensation	.....	.....	.....	.....
c. Other charges	.....	53 2 6	3,923 2 6	2,702 8 10
Total A-IX ...	.....	53 2 6	3,923 2 6	2,702 8 10
TOTAL A.—CONSERVANCY AND WORKS.	1,267 4 0	1,368 9 0	11,918 7 9	1,99,469 10 1
B.—ESTABLISHMENTS.				
I.—Pay of Officers—				
b. Conservators—Non-voted ...	24,403 5 0	.....	.....	.....
c. Superior Officers. Voted ...	4,200 0 0	2,360 0 0	7,091 7 3	7,797 3 8
c. Superior Officers. Non-voted ...	.....	4,220 0 0	.....	16,112 12 0
Total B-I ..	28,603 5 0	6,580 0 0	7,091 7 3	23,909 15 8
II.—Pay of establishment—				
a. Subordinate forest, and Depot establishment	.....	1,559 6 0	38,944 7 10	44,713 2 0
b. Office establishment	10,187 10 0	2,539 3 0	8,373 5 0	13,313 9 0
c. Temporary establishment ...	.....	.....	.....	.....
d. Leave allowances	.....	.....	.....	.....
Total B-II ...	10,187 10 0	4,098 9 0	47,317 12 10	58,056 11 0
III.—Allowances and Honoraria etc.				
a. Deputation and Special allowances	.....	1,072 0 0	1,007 5 0	13,513 11 4
b. Plague allowance	.....	.....	.....	.....
c. Travelling allowance. Voted ...	2,696 4 0	2,057 15 0	7,039 0 0	11,289 13 0
c. Travelling allowance. Non-voted...	4,399 0 0	2,096 11 0	.....	4,599 2 0
d. Forest School	.....	.....	.....	264 8 0
e. Grain compensation	.....	.....	.....	.....
Total B-III ...	7,095 4 0	5,226 13 0	8,046 5 0	29,667 2 4

of the different Divisions for the financial year 1923-1924—contd.

North Thána Division.	East Thána Division.	West Thána Division.	East Násik Division.	West Násik Division.	Total for the year 1923-1924.
Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p	Rs. a. p.	Rs. a. p.
334 4 6	73 10 6	309 3 0	308 8 3	210 7 0	1,254 0 3
.....	.....	.....	.....	1,857 7 0	1,877 11 0
.....	.....	.....	.....	.....	1,002 12 0
567 8 0	580 13 0	282 4 0	495 13 6	373 1 6	4,321 15 6
4,778 10 9	1,657 4 0	2,329 0 0	59 4 0	2,822 4 0	15,645 15 5
2,727 7 0	1,118 5 6	1,185 1 0	.....	223 0 0	14,636 15 1
1,313 13 6	217 1 0	542 4 0	99 1 0	232 13 0	3,183 9 3
9,721 11 9	3,647 2 0	4,648 5 0	962 10 9	5,718 0 6	41,921 14 6
.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....
5,036 14 6	3,096 10 8	3,518 1 6	3,792 11 0	1,402 1 0	23,525 4 6
5,036 14 6	3,096 10 8	3,518 1 6	3,792 11 0	1,402 1 0	23,525 4 6
42,078 13 4	16,904 2 7	15,123 6 0	5,473 1 3	83,657 6 6	3,77,200 12 6
.....	.....	.....	.....	.....	24,403 5 0
1,096 11 0	4,166 11 0	8,791 1 0	5,880 0 0	.....	41,383 1 11
21,234 12 0	.....	.....	.....	11,477 6 0	53,044 14 0
22,331 7 0	4,166 11 0	8,791 1 0	5,880 0 0	11,477 6 0	1,18,831 4 11
50,979 8 0	51,500 6 0	49,229 10 6	37,331 15 10	30,642 14 0	3,04,901 6 2
9,068 8 0	9,813 12 0	9,066 6 0	8,856 6 0	8,556 7 0	79,805 2 0
.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....
60,048 0 0	61,314 2 0	58,296 0 6	46,188 5 10	39,199 5 0	3,84,706 8 2
97 2 0	2,290 11 0	962 10 0	10 15 0	5,708 11 0	24,663 1 4
.....	.....	.....	.....	.....	.....
7,364 9 5	7,838 8 6	7,173 5 0	6,507 2 0	5,283 4 0	57,248 12 11
4,030 13 0	.....	.....	.....	3,257 2 0	18,382 15 0
259 9 6	80 0 0	16 2 0	.....	.....	620 3 6
.....	.....	.....	.....	.....	.....
11,752 1 11	10,209 3 6	8,152 1 0	6,518 1 0	14,248 1 0	1,00,915 0 9

FORM No. 68—*Summary of Revenue and Expenditure*

Budget Head.	Direction.	Working Plan Division.	Panch Mahâls Division.	Surat Division.
EXPENDITURE—*concluded.*	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
B.—ESTABLISHMENT—*concluded.*				
IV.—Contingencies—				
a. Stationery	14 6 0	2 12 0	250 6 9	317 7 0
b. Carriage of tents and records ...	433 5 7	281 8 0	340 3 4	1,443 14 6
c. Rents, rates and taxes	3,291 12 6	... ...	106 6 0	1,058 7 6
d. Official postage	761 5 0	80 10 6	1,025 8 0	1,187 9 6
e. Sundries	152 15 0	176 6 0	564 15 6	1,395 3 3
Total B-IV ...	4,653 12 1	521 4 6	2,289 7 7	5,407 9 9
TOTAL B—ESTABLISHMENTS ...	50,544 15 1	16,426 10 6	64,745 0 8	1,17,041 6 9
GRAND TOTAL OF EXPENDITURE ...	51,812 3 1	17,795 3 6	76,663 8 5	3,16,511 0 10
SURPLUS OR DEFICIT ...	−50,758 9 1	−17,795 3 6	+3,58,493 14 6	+1,65,967 1 6

of the different Divisions for the financial year 1923-1924—contd.

North Thána Division.	East Thána Division.	West Thána Division.	East Násik Division.	West Násik Division.	Total for the year 1923-1924.
Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p	Rs. a. p.	Rs. a. p.
375 15 0	353 9 3	321 3 3	280 1 3	236 3 0	2,158 0 0
811 4 9	468 11 0	370 5 0	215 14 0	760 8 0	5,141 10 2
6 12 0	48 7 0	67 2 0	913 0 0	36 12 0	5,529 11 0
1,304 6 6	1,275 3 0	1,100 4 0	755 9 0	950 8 0	8,440 15 6
1,080 3 6	515 11 3	332 10 0	605 3 0	382 7 6	5,235 11 0
3,578 10 3	2,661 9 6	2,247 8 3	2,774 11 3	2,366 6 6	26,505 15 8
97,710 3 2	78,351 10 0	77,486 10 9	61,361 2 1	67,291 2 6	6,30,959 13 6
1,39,789 0 6	95,255 12 7	92,610 0 9	66,834 3 4	1,50,948 9 0	10,08,219 10 1
+4,44,957 3 8	+2,15,959 6 4	+2,27,529 15 4	+65,125 1 8	−14,245 10 3	+13,95,928 4 2

FORM No. 68.—*Summary of Revenue and Expenditure*

Budget Head.	Direction.	East Khándesh Division.	North Khándesh Division.	West Khándesh Division.
CENTRAL CIRCLE.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
REVENUE.				
I.—Timber and other Produce removed from the Forests by Government Agency—				
a. Timber	.....	993 0 0	68 8 0	316 0 0
b. Firewood and charcoal	.....	.....	13 4 0	233 0 0
c. Bamboos	.....	.....	.....	.....
d. Sandalwood	.....	362 8 0	.....	.....
e. Grass and other minor produce ...	.....	.....	897 7 8	2,389 0 6
Total I ...	.....	1,355 8 0	1,009 3 8	2,938 0 6
II.—Timber and other Produce removed from the Forests by Consumers or Purchasers—				
a. Timber	.....	16,021 6 0	49,265 14 2	1,76,361 2 0
b. Firewood and charcoal	.....	23,607 13 0	7,472 9 8	7,725 10 0
c. Bamboos	.....	7,664 7 6	2,389 13 0	185 0 0
d. Grazing and fodder-grass	.....	1,69,335 9 3	99,997 0 0	1,10,550 10 0
e. Other minor produce	.....	4,356 15 0	8,933 11 0	17,932 6 0
f. Other items	.....	.....	.....	.....
g. Commutation fees	.....	.....	.....	.....
Total II ...	.....	2,21,486 2 9	1,68,358 15 10	3,32,754 12 0
III.—Drift and Waif Wood and Confiscated Forest Produce	.....	231 6 3	303 8 6	617 12 6
Total III ...	.....	231 6 3	303 8 6	617 12 6
IV.—Revenue from Forests not managed by Government—				
a. Duty on foreign timber and other forest produce	.....	12,198 1 6	3,716 8 0	.....
b. Revenue from shared and private forests	.....	.....	.....	.....
Total IV ...	.....	12,198 1 6	3,716 8 0	.....
V.—Miscellaneous—				
a. Fines and forfeitures	.....	2,452 1 0	1,132 1 0	384 4 0
b. Refunds	.....	294 8 4	37 0 0	.....
c. Other sources	1,236 8 0	22,268 11 10	17,413 13 3	15,255 10 0
Total V ...	1,236 8 0	25,015 5 2	18,582 14 3	15,639 14 0
Deduct—Refunds ...	.....	*471 6 0*	*1,152 10 0*	*740 8 0*
Grand Total, Revenue ...	1,236 8 0	2,59,815 1 8	1,90,818 7 10	3,51,209 15 0

of the different Divisions for the financial year 1923-1924—contd.

Poona Division.	Kolába Division.	Sátára Division.	Working Irrigation Division.	Total for the year 1923-24.
Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs a. p.
3 8 0	2,210 5 6	.....	.....	3,621 5 6
8,860 15 0	10,700 3 0	21,812 11 3	.....	41,620 1 3
.....	.....	.....	.....	.....
.....	.....	1,170 4 0	.....	1,532 12 0
5,294 13 0	.....	.....	.....	8,561 4 9
14,159 4 0	12,910 8 6	22,982 15 3	.....	55,355 7 6
46,061 12 0	2,28,110 2 5	29,750 13 0	.....	5,65,571 1 7
36,325 11 9	4,709 15 3	360 15 0	.....	80,202 10 8
83 2 0	5 1 6	291 2 0	.....	10,918 10 0
79,655 9 6	27,213 8 3	67,131 13 0	.....	5,54,387 2 0
5,351 5 9	2,874 5 6	12,703 12 1	.....	52,157 7 4
.....	.....	.....	.....	.....
.....	.....	.....	.....	.....
1,67,477 9 0	2,62,913 0 11	1,10,241 7 1	.....	12,63,231 15 7
313 14 3	782 4 0	1,023 4 3	.....	3,272 1 9
313 14 3	782 4 0	1,023 4 3	.....	3,272 1 9
.....	.....	.....	.....	15,914 9 6
27 9 7	16 1 4	.....	.....	43 10 11
27 9 7	16 1 4	.....	.....	15,958 4 5
381 12 0	6,129 12 0	598 12 0	.....	11,078 10 0
339 13 0	67 1 3	926 4 4	5 3 0	1,669 13 11
11,366 2 0	14,005 1 4	8,981 0 5	92 2 0	90,619 0 10
12,087 11 0	20,201 14 7	10,506 0 9	97 5 0	1,03,367 8 9
996 4 0	*33 7 0*	*512 15 0*	...	*3,907 2 0*
1,93,089 11 10	2,96,790 6 4	1,44,240 12 4	97 5 0	14,37,278 4 0

FORM No. 68.—*Summary of Revenue and Expenditure*

Budget Head.	Direction.	East Khándesh Division.	North Khándesh Division.	West Khándesh Division.
EXPENDITURE.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
A.—CONSERVANCY AND WORKS.				
I.—Timber and other Produce removed from the Forests by Government Agency—				
a. Timber	.....	532 10 0	.....	4 0 0
b. Firewood and charcoal	.....	.....	.....	.....
c. Bamboos	.....	.....	.....	.....
d. Sandalwood	.....	98 15 6	.....	.....
e. Grass and other minor produce ...	.....	.....	425 7 0	1,150 7 0
Total A-I ...	.....	631 9 6	425 7 0	1,154 7 0
II.—Timber and other Produce removed from the Forests by Consumers or Purchasers	.....	1,800 2 0	4,792 8 0	1,308 7 0
Total A-II ...	.....	1,800 2 0	4,792 8 0	1,308 7 0
III.—Drift and Wait Wood and Confiscated Forest Produce	.....	2 10 0	4 4 0	11 13 0
Total A-III ...	.....	2 10 0	4 4 0	11 13 0
IV.—Revenue from Forests not managed by Government—				
a. Duty on foreign timber and other forest produce	.....	.....	.....	.....
b. Revenue from shared and private Forests	.....	.....	.....	.....
Total A-IV ...	.....	.....	.....	.....
V.—Rent of leased Forests and Payments to Share-holders in Forests managed by Government	.....	.....	.....	.....
Total A-V ...	...	.....	.....	.....
I.—Live-stock, Stores, Tools and Plant—				
a. Purchase of cattle	.....	.....	.....	.....
b Feed and keep of cattle	.....	.....	.....	.....
c. Purchase of stores, tools and plant	58 10 0	693 13 6	200 0 0	164 0 0
Total A-VI ...	58 10 0	693 13 6	200 0 0	164 0 0
VII.—Communications and Buildings—				
a. Roads and Bridges	.....	699 1 0	2,296 5 6	229 3 0
b. Buildings	.....	5,420 11 8	851 14 0	849 5 0
c. Other works	.....	134 6 0	34 15 6	103 0 0
Total A-VII	.....	6,244 2 8	3,183 3 0	1,181 8 0

of the different Divisions for the financial year 1923-1924—contd.

Poona Division,	Kolaba Division.	Sátára Division.	Working Plans Division.	Total for the year 1923-24.
Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
.....	69 0 0	.....	.....	605 10 0
2,316 4 0	4,396 4 9	13,930 6 0	.....	20,642 14 9
.....	.....	.....	.....	.....
.....	.....	1 0 0	.....	99 15 6
1,723 3 0	59 0 0	.....	.....	3,358 1 0
4,039 7 0	4,524 4 9	13,931 6 0	.....	24,706 9 3
180 3 6	2,499 8 6	118 6 9	.....	10,699 3 9
180 3 6	2,499 8 6	118 6 9	.....	10,699 3 9
7 2 0	3 0 0	1 0 0	.....	29 13 0
7 2 0	3 0 0	1 0 0	.....	29 13 0
.....	.....	.....	.....	.....
.....	.....	.....	.....	.....
.....	.....	.....	.....	.....
.....	15,165 15 3	3,606 3 10	.....	18,772 3 1
.....	15,165 15 3	3,606 3 10	.....	18,772 3 1
.....	.....	.....	.....	.....
.....	.....	.....	.....	.....
27 12 0	198 11 0	217 1 0	44 8 0	1,604 7 6
27 12	198 11 0	217 1 0	44 8 0	1,604 7 6
75 0 0	405 1 0	38 0 6	.....	3,732 11 0
427 7 0	1,545 7 3	1,253 14 0	.....	10,348 10 11
.....	.....	105 0 0	.....	377 5 6
50 7 0	1,950 8 3	1,396 14 6	.....	14,458 11 5

FORM No. 68.—*Summary of Revenue and Expenditure*

Budget Head.	Direction.	East Khándesh Division.	North Khándesh Division.	West Khándesh Division.
EXPENDITURE—*continued.*	Rs. a. p	Rs. a. p.	Rs. a. p.	Rs. a. p.
A.—CONSERVANCY AND WORKS—*continued.*				
VIII.—Organization, Improvement and Extension of Forest—				
a. Demarkation	.....	80 12 6	106 6 0	175 8 0
b. Cost of Forest Settlements and Compensation for land and rights.	.....	.....	.....	1,031 4 3
c. Surveys	.....	.....	.....	.....
d. Working plans	.....	36 5 6	227 10 0	100 6 0
e. Sowing and planting	.....	18 0 0	5 0 0	1,000 0 0
f. Protection from fire	.....	2,640 0 0	3,102 14 0	4,167 1 0
g. Other works ...	.....	196 7 0	405 0 0	78 0 0
Total A-VIII ..	.....	2,971 9 0	3,846 14 0	6,552 3 3
IX.—Miscellaneous—				
a. Law charges	.....	.....	.....	.....
b. Grain compensation	.....	.....	.....	.....
c. Other charges	90 0 0	2,136 13 0	1,397 3 0	1,526 14 0
Total A-IX .	90 0 0	2,136 13 0	1,397 3 0	1,526 14 0
TOTAL A—CONSERVANCY AND WORKS.	148 10 0	14,480 11 8	13,849 7 0	11,899 4 3
B.—ESTABLISHMENTS.				
I.—Pay of Officers—				
a. Chief Conservator	.....	.....	.....	.....
b. Conservator	24,790 8 9	.....	.....	.....
c. Superior Officers . Voted ...	.....	1,857 15 0	10,549 11 0	6,817 0 0
c. Superior Officers . Non-Voted ...	.....	15,138 14 0	.....	.....
Total B-I ..	24,790 8 0	16,996 13 0	10,549 11 0	6,817 0 0
II.—Pay of Establishments—				
a. Subordinate Forest and Depôt Establishments	.....	46,812 1 0	30,520 5 0	35,151 1 0
b. Office establishments	11,144 10 0	11,411 1 0	7,620 10 0	8,013 3 0
c. Temporary establishment ...	.....	.....	.....	.....
d. Leave allowances	.....	.....	.....	.....
Total B-II	11,144 10 0	58,223 2 0	38,140 15 0	43,164 4 0
III.—Allowances and Honoraria—				
a Deputation and Special Allowances	.....	6,469 11 0	5,202 6 0	5,111 9 0
b. Plague allowance	.....	.....	.....	.....
c. Travelling allowances. Voted ...	889 5 0	6,222 9 4	8,111 4 0	8,823 9 0
c. Travelling allowances. Non-Voted ...	3,830 0 0	3,985 2 0	.....	.....
d. Forest school	.....	.....	.....	.....
e. Grain compensation	.....	.....	.....	.....
Total B-III ...	4,719 5 0	16,677 6 4	16,313 10 0	13,935 2 0

of the different Divisions for the financial year 1923-1924—contd.

Poona Division.	Kolába Division.	Sátára Division.	Working Plans Division.	Total for the year 1923-24.
Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
177 3 6	315 7 0	298 1 6	.....	1,153 6 6
98 1 0	86 4 0	...	.....	1,215 9 3
.....	.....	.....	.....	.....
284 5 0	258 9 9	111 13 0	976 5 9	1,995 7 0
785 10 0	1,618 0 0	597 5 0	.....	4,023 15 0
.....	137 0 0	307 14 0	.....	10,354 13 0
61 2 0	49 12 0	4 0 0	.....	794 5 0
1,406 5 6	2,465 0 9	1,319 1 6	976 5 9	19,537 7 9
.....	.....	.....	.....	.....
.....	.....	.....	.....	.....
2,044 13 0	2,135 8 6	1,210 13 6	42 1 8	10,584 2 8
2,044 13 0	2,135 8 6	1,210 13 6	42 1 8	10,584 2 8
8,208 2 0	28,942 9 0	21,800 15 1	1,062 15 5	1,00,392 10 5
.....	.....	.....	.....	.....
.....	.....	.....	.....	24,790 8 0
13,339 14 0	7,945 8 0	5,846 11 0	750 0 0	47,106 11 0
.....	.....	2,700 0 0	12,323 6 6	30,162 4 6
13,339 14 0	7,945 8 0	8,546 11 0	13,073 6 6	1,02,059 7 6
53,596 2 4	64,409 12 0	33,194 15 0	6,626 11 0	2,76,310 15 4
14,320 4 5	14,229 6 0	9,104 15 0	2,800 15 0	78,645 0 5
.....	.....	.....	.....	.....
.....	.....	.....	.....	.....
78,916 6 9	78,639 2 0	42,299 14 0	9,427 10 0	3,54,955 15 9
635 8 0	1,452 13 0	989 7 0	251 10 0	23,113 0 0
.....	.....	20 0 0	.....	20 0 0
10,594 2 0	10,243 12 0	6,040 6. 4	3,318 11 8	54,243 11 4
.....	.....	1,444 12 0	2,109 11 0	11,369 9 0
...	.....	.....	.....	.....
.....	.....	.....	.....	.....
11,229 10 0	11,696 9 0	8,494 9 4	5,680 0 8	88,746 4 4

FORM No. 68.—*Summary of Revenue and Expenditure*

Budget Head.	Direction.	East Khándesh Division.	North Khandesh Division.	West Khándesh Division.
EXPENDITURE—*concluded.*	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
B.—ESTABLISHMENTS—*concluded.*				
IV.—Contingencies—				
a. Stationery	.....	255 0 0	221 4 0	187 5 0
b. Carriage of tents and records ...	465 3 0	248,13 0	398 7 6	245 6 0
c. Rents, rates and taxes	.....	34 4 0	196 0 0	69 8 0
d Official postage	651 15 0	1,385 15 3	300 0 0	900 0 0
e. Sundries	619 9 9	473 14 3	526 0 10	628 14
Total, B-IV ...	1,738 11 9	2,357 14 6	2,141 12 4	1,931 1 0
TOTAL B.—ESTABLISHMENTS ...	42,393 2 9	94,295 3 10	67,146 0 4	65,847 7 0
GRAND TOTAL OF EXPENDITURE ...	42,539 12 9	1,06,775 15 6	80,995 7 4	77,746 11 3
Surplus or deficit ...	*−41,303 4 9*	*+1,51,059 2 2*	*+1,09,823 0 6*	*+2,73,463 3 9*

of the different Divisions for the financial year 1923-1924—contd.

Poona Division.	Kolaba Division.	Sátára Division.	Working Plants Division.	Total for the year 1923-24.
Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
389 14 0	852 14 0	198 8 0	.....	1,547 13 0
395 10 0	546 9 0	320 2 0	818 8 0	2,928 5 6
169 0 0	16 11 8	562 5 0	.....	1,041 12 8
996 13 6	1,299 11 6	1,085 11 0	136 3 0	7,136 5 3
332 8 0	422 8 0	385 6 0	165 5 9	3,534 1 7
2,210 13 6	2,638 6 2	2,511 15 0	619 11 9	16,188 6 0
1,00,696 12 8	1,00,919 9 2	61,853 1 4	28,800 12 11	5,61,950 1 7
1,02,904 14 3	1,29,862 2 2	83,654 0 5	29,863 12 4	6,62,342 12 0
+84,164 13 7	*+1,66,928 4 2*	*+60,586 11 11*	*−29,766 7 4*	*+7,74,935 8 0*

FORM No. 68.—*Summary of Revenue and Expenditure of the*

Budget Head.	Direction.	Working plans.	Forest Engineering Division.	Dhárwár-Bijápur Division.
	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
SOUTHERN CIRCLE.				
REVENUE.				
I.—Timber and other Produce removed from the Forests by Government Agency—				
a. Timber	.....	.....	.....	669 8 0
b. Firewood and charcoal	.....	.....	.....	218 4 0
c. Bamboos	.....	.....	.....	.....
d. Sandalwood	.....	.....	.....	23,171 5 3
e. Grass and other minor produce ...	.....	.....	.....	.....
Total, I ...	.....	.....	.....	24,089 1 3
I.—Timber and other Produce removed from the Forests by Consumers or Purchasers—				
a. Timber	.....	.....	.....	278 8 0
b. Firewood and charcoal	.....	.....	.....	69,920 9 8
c. Bamboos	.....	.....	.....	2,618 8 0
d. Grazing and fodder grass	.....	.....	.....	30,686 9 0
e. Other minor produce	.....	.....	.....	15,026 6 0
f. Other items	.....	.....	.....	.....
g. Commutation fees	.....	.....	.....	.....
Total, II ...	.....	.....	.....	1,23,530 8 8
III.—Drift and Waif Wood and Confiscated Forest Produce	.....	.....	.....	15 6 0
Total, III ...	.....	.....	.....	15 6 0
IV.—Revenue from Forests not managed by Government—				
a. Duty on foreign timber and other forest produce	.....	.....	.....	.....
Revenue from shared and private Forests	.....	.....	.....	5 0 0
Total, IV ...	.....	.....	.....	5 0 0
V.—Miscellaneous—				
a. Fines and forfeitures	.....	.....	.....	1,198 0 0
Refunds	12,861 7 6	.....	29 4 0	72 13 9
c. Other sources	4,507 8 8	2 8 0	129 4 0	6,924 1 7
Total, V ...	17,369 0 2	2 8 0	158 8 0	8,194 15 4
Deduct Refunds ...	*—75 0 0*	.....	.....	*—214 13 0*
Grand Total, Revenue ...	17,294 0 2	2 8 0	158 8 0	1,55,620 2 3

different Divisions for the financial year 1923-24—contd.

Belgaum Division.	Kánara, Central Division.	Kánara, Southern Division.	Kánara, Western Division.	Kánara, Eastern Division.	Kánara, Northern Division.	Total for the year 1923-24.
Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p	Rs. a. p.
16,877 12 0	90,376 7 5	65,690 14 5	99,482 11 9	4,81,650 1 5	5,56,430 10 8	13,20,478 1 8
2,41,713 7 9	5,519 3 7	5,817 9 0	36,973 1 3	.....	11,470 1 10	3,01,771 11 5
.....	18 0 0	.....	.....	.....	.....	18 0 0
17,974 8 11	7,684 0 9	1,159 3 0	.....	18,027 9 0	849 7 4	68,866 2 3
5 12 0	.....	.....	.....	.....	300 0 0	305 12 0
2,76,601 8 8	1,12,897 11 9	72,667 10 5	1,36,455 13 0	4,99,677 10 5	5,69,050 3 10	16,91,439 11 4
73,198 13 6	18,590 4 0	3,388 14 8	59,571 10 6	35,326 11 11	2,57,858 7 11	4,54,213 6 6
22,052 10 0	14,845 10 11	20,214 7 6	17,626 5 0	453 1 0	14,606 14 0	2,09,719 10 1
19,349 9 3	635 4 0	140 0 0	5,610 14 3	14,014 12 0	29,919 11 6	72,297 11 0
10,295 14 0	8,663 0 9	9,903 7 0	3,849 2 0	6,506 9 0	3,506 6 0	78,536 15 9
29,618 13 0	1,436 15 3	6,689 5 4	1,938 14 1	2,716 14 0	915 14 0	58,343 1 8
.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....
2,10,514 11 9	44,176 2 11	40,336 2 6	88,596 13 10	59,077 15 11	3,06,867 5 5	8,73,099 13 0
73 0 0	123 8 0	11 5 6	166 5 8	.....	2 0 0	391 9 2
73 0 0	123 8 0	11 5 6	166 5 8	.....	2 0 0	391 9 2
.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	5 0 0
.....	.....	.....	.....	.....	.....	5 0 0
3,988 8 0	351 13 0	881 8 0	1,059 11 3	447 0 0	985 10 9	8,813 8 0
20 6 0	4,966 11 0	.....	182 12 0	110 2 6	1,948 9 10	20,192 2 7
8,742 10 2	4,180 1 1	2,869 6 11	3,607 11 4	4,387 3 10	6,667 13 3	42,018 4 10
12,651 8 2	9,498 9 1	3,750 14 11	4,850 2 7	4,944 6 4	9,602 1 10	71,022 10 5
—178 14 0	*—957 2 3*	*—103 8 9*	*—179 11 4*	*—14,895 1 0*	*—6,049 10 9*	*—22,656 15 1*
4,99,631 14 7	1,65,738 13 6	1,16,662 8 7	2,29,889 7 2	5,48,801 15 8	8,79,472 0 4	26,13,301 14 10

FORM No. 68.—*Summary of Revenue and Expenditure of the*

Budget Head.	Direction.	Working Plans.	Kanara, Western Division.	Kanara, Northern Division.
	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
EXPENDITURE.				
A.—CONSERVANCY AND WORKS				
I.—Timber and other Produce removed from the Forests by Government Agency—				
a. Timber	94 4 0	.....	2,12,246 0 11	2,70,426 2 8
b. Firewood and charcoal	.....	.....	45,230 13 2	2,293 2 0
c. Bamboos	.....	.....	.....	69 11 0
d. Sandalwood	.....	.....	.....	59 1 6
e. Grass and other minor produce ...	.....	.....	.....	.....
Total, A-I ...	94 4 0	.....	2,57,476 14 1	2,72,848 1 2
II.—Timber and other Produce removed from the Forests by Consumers or Purchasers ...	.....	.....	728 12 6	219 5 0
Total, A-II ...	.....	.....	728 12 6	219 5 0
III.—Drift and Waif Wood and Confiscated Forest Produce	.....	.....	67 1 3	2 0 0
Total, A-III ...	.....	.....	67 1 3	2 0 0
IV.—Revenue from Forests not managed by Government—				
a. Duty on foreign timber and other Forest produce	.....	.....	.....	.....
b. Revenue from shared and private Forests	.....	.....	.....	.....
Total, A-IV...	.....	.....	.....	.....
V.—Rent of leased Forests and Payments to Share-holders in Forests managed by Government	.....	.....	.....	.....
Total, A-V ...	.....	.....	.....	.....
VI.—Live-stock, Stores, Tools and Plant—				
a. Purchase of cattle	.....	.....	425 0 0	817 8 0
b. Feed and keep of cattle	.....	.....	819 8 10	5,990 14 7
c. Purchase of stores, tools and plant ...	328 0 0	.....	329 0 0	2,914 9 2
Total, A-VI ...	328 0 0	.....	1,573 8 10	9,722 15 9

different Divisions for the financial year 1923-24—contd.

Kanara, Southern Division.	Kanara, Eastern Division.	Kanara, Central Division.	Forest Engineering Division.	Dharwar-Bijapur Division.	Belgaum Division.	Total for the year 1923-24.
Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
99,458 0 9	2,53,158 8 7	1,53,379 3 5	14,397 2 0	.....	4,458 3 2	10,07,617 9 6
2,469 5 10	.....	6,959 1 8	.....	71 5 0	1,37,238 6 1	1,94,262 1 9
.....	.....	.....	.....	.....	.....	69 11 0
133 13 0	1,084 2 0	696 9 1	.....	2,698 15 4	2,743 14 2	7,416 7 1
.....	.....	32 0 0	.....	.....	.....	32 0 0
1,02,061 3 7	2,54,242 10 7	1,61,066 14 2	14,397 2 0	2,770 4 4	1,44,440 7 5	12,09,397 13 0
594 1 1	357 10 0	352 6 3	.....	372 12 6	1,594 2 3	4,219 1 7
594 1 1	357 10 0	352 6 3	.....	372 12 6	1,594 2 3	4,219 1 7
27 3 0	.....	78 6 6	.....	8 12 0	7 1 0	180 7 9
27 3 0	.....	78 6 6	.....	8 12 0	7 1 0	180 7 9
.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	70 0 0	.....	70 0 0
.....	.....	.....	.....	70 0 0	.....	70 0 0
.....	213 0 0	.....	.....	.....	.....	1,455 8 0
.....	3,732 0 7	48 6 0	.....	.....	68 11 0	10,659 9 0
101 14 3	140 12 0	.....	931 12 2	18 4 0	.....	4,764 3 7
101 14 3	4,085 12 7	48 6 0	931 12 2	18 4 0	68 11 0	16,879 4 7

FORM No. 68.—*Summary of Revenue and Expenditure of the*

Budget Head.	Direction.	Working plans.	Kanara, Western Division.	Kanara, Northern Division.
	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
EXPENDITURE—*contd.*				
A.—CONSERVANCY AND WORKS—*contd.*				
VII.—Communications and Buildings—				
a. Roads and bridges	.....	.....	15,773 15 11	42,622 3 10
b. Buildings	177 6 0	.....	1,515 10 6	4,091 1 4
Other works	.....	.....	255 0 0	2,592 3 2
Total, A-VII ...	177 6 0	.....	17,544 10 5	49,305 8 4
VIII.—Organization, Improvement and Extension of Forest—				
a. Demarkation	.....	.....	54 0 0	7 8 0
b. Cost of Forest Settlements and Compensation for land and rights ..	.....	.....	.....	.....
c. Surveys	.....	.....	.....	.....
d. Working plans	.....	3,541 13 6	.....	.....
e. Sowing and planting	.....	.....	9,690 13 2	15,475 3 1
f Protection from fire	.....	.....	1,999 3 11	3,167 14 0
g. Other works	.....	.....	.....	.....
Total, A-VIII ...	.....	3,541 13 6	11,744 1 1	18,650 9 1
IX.—Miscellaneous—				
a. Law charges	.....	.....	.....	.....
b. Grain compensation	1 0 0	.....	711 2 0	2,164 13 0
c. Other charges	8 10 0	9 15 0	643 4 6	3,795 1 6
Total, A-IX ..	9 10 0	9 15 0	1,354 6 6	5,959 14 6
TOTAL A.—CONSERVANCY AND WORKS ...	609 4 0	3,551 12 6	2,90,489 6 8	3,56,708 5 10
B.—ESTABLISHMENTS.				
I.—Pay of Officers—				
a. Chief Conservators	.....	.....	.....	...
b. Conservators ..	24,257 6 0	.....	.....	.....
c. Superior Officers—Voted	.....	.....	718 10 0	7,406 11 0
Non-Voted	.....	10,601 10 0	16,481 3 0	25,044 2 0
Total, B-I ...	24,257 6 0	10,601 10 0	17,199 13 0	32,450 13 0

different Divisions for the financial year 1923-24—contd.

Kánara, Southern Division.	Kanara, Eastern Division.	Kanara, Central Division.	Forest Engineering Division.	Dharwar-Bijapur Division.	Belgaum Division.	Total for the year 1923-24.
Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
736 9 6	8,957 11 6	812 10 0	2,198 3 7	1,510 2 7	2,053 14 3	74,565 7 2
6,276 3 1	5,092 11 9	3,942 15 2	12,247 10 3	2,738 1 7	6,027 10 2	42,109 5 10
74 4 0	731 13 0	104 13 6	3,564 0 0	442 8 0	79 15 0	7,844 7 8
7,087 0 7	14,682 3 3	4,860 6 8	18,009 13 10	4,690 12 2	8,161 7 5	1,24,519 4 8
247 4 0	615 12 0	103 12 0	.....	48 9 0	86 9 0	1,163 6 0
.....	4 9 7	0 5 9	.....	14 6 0	51 12 0	71 1 4
.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	3,541 13 6
9,749 6 4	11,160 15 6	2,944 7 3	.....	976 6 6	3,890 3 6	53,887 7 4
97 5 0	151 0 0	637 5 6	.....	606 12 0	2,280 6 2	8,939 14 7
.....	70 8 0	.....	.....	21 0 3	.....	91 8 3
10,093 15 4	12,002 13 1	3,685 14 6	.....	1,667 1 9	6,308 14 8	67,695 3 0
.....	.....	90 0 0	.....	4 14 0	.....	94 14 0
109 8 0	998 15 0	121 1 0	.....	16 3 0	.....	4,122 10 0
3,305 1 11	1,208 13 6	912 14 6	101 1 0	1,565 0 3	2,388 1 3	13,937 15 5
3,414 9 11	2,207 2 6	1,123 15 6	101 1 0	1,586 1 3	2,288 1 3	18,155 7 5
1,23,379 15 9	2,87,578 14 0	1,71,216 5 7	33,439 13 0	11,184 0 0	1,62,968 13 0	14,41,126 10 4
.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	24,257 6 0
5,160 0 0	2,476 9 0	3,356 1 0	.....	7,700 0 0	2,908 11 0	29,726 10 0
.....	17,983 14 0	7,673 2 0	49,323 6 8	.....	22,266 6 0	1,49,373 11 8
5,160 0 0	20,460 7 0	11,029 3 0	49,323 6 8	7,700 0 0	25,175 1 0	2,03,357 11 8

FORM NO. 68.—*Summary of Revenue and Expenditure of the*

Budget Head.	Direction.	Working plans.	Kanara, Western Division.	Kanara, Northern Division.
	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
EXPENDITURE—*contd.*				
B.—ESTABLISHMENTS—*contd.*				
II.—Pay of Establishment—				
a. Subordinate Forest and Depôt Establishments	1,500 0 0	2,209 14 0	36,732 2 6	51,219 3 9
b. Office Establishments	13,149 3 5	1,122 3 0	10,078 12 7	18,263 2 0
c. Temporary Establishments ...	.....	.....	.....	.....
d. Leave Allowances	.....	.....	.....	.....
Total, B-II ...	14,649 3 5	3,332 1 0	46,810 15 1	69,482 5 9
III.—Allowances and Honoraria—				
a. Deputation and Special Allowances ...	248 8 0	16 4 0	3,646 2 5	10,223 1 0
b. Plague allowance	.....	.....	.....	.....
c. Travelling allowances { Voted ...	967 3 4	1,045 11 0	5,111 0 7	11,078 14 0
{ Non-voted ...	3,258 8 0	3,177 15 0	3,730 11 0	11,262 1 0
d Forest School	.....	.....	.....	443 9 0
e. Grain compensation	.....	.....	.....	39 13 0
Total, B-III ...	4,474 3 4	4,239 14 0	12,487 14 0	33,047 6 0
IV.—Contingencies—				
a. Stationery	2 7 3	.....	180 13 5	264 8 4
b. Carriage of tents and records ...	435 12 0	56 6 0	516 13 0	291 10 6
c. Rents, rates and taxes	.....	.....	.....	2,362 11 4
d. Official Postage	1,350 0 0	125 0 0	880 7 6	1,127 9 6
e. Sundries	2,111 6 9	90 9 0	259 1 9	573 14 6
Total, B-IV ...	3,899 10 0	271 15 0	1,837 3 8	4,620 6 2
TOTAL, B—ESTABLISHMENTS ...	47,280 6 9	18,445 8 0	78,335 13 9	1,40,500 14 11
GRAND TOTAL OF EXPENDITURE ...	47,889 10 9	21,997 4 6	3,68,825 4 5	4,97,209 4 9
SURPLUS OR DEFICIT ...	−30,595 10 7	−21,994 12 6	−1,88,935 12 8	+ 3,82,262 11 7

different Divisions for the financial year 1923-24—contd.

Kanara, Southern Division.	Kanara, Eastern Division.	Kanara, Central Division.	Forest Engineering Division.	Dharwar-Bijapur Division.	Belgaum Division.	Total for the year 1923-24.
R. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
27,721 2 0	37,830 7 0	30,305 12 0	20,826 4 8	39,629 1 9	53,183 0 4	3,01,157 0 0
8,593 6 8	9,486 7 0	7,745 9 0	6,037 8 2	10,007 2 0	10,808 2 0	95,291 7 10
.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....
36,314 8 8	47,316 14 0	38,051 5 0	26,863 12 10	49,636 3 9	63,991 2 4	3,96,448 7 10
1,200 0 0	8,514 2 0	1,764 12 0	2,284 14 0	209 6 0	2,285 1 0	30,392 2 5
.....	.....	.....	.....	.....	.....	.....
6,639 15 10	7,182 13 0	7,190 1 4	10,468 9 0	8,054 1 11	7,748 0 4	66,386 6 4
.....	3,809 4 0	2,515 0 0	14,606 3 0	.....	5,423 1 0	47,782 11 0
.....	.....	.....	.....	.....	.....	443 9 0
.....	.....	.....	.....	.....	.....	39 13 0
7,839 15 10	19,506 3 0	11,469 13 4	27,359 10 0	8,263 7 11	15,456 2 4	1,45,044 9 9
177 11 8	231 10 0	188 5 0	61 9 6	236 9 3	285 11 6	1,629 5 11
324 8 6	235 5 6	645 6 3	1,492 12 0	294 6 0	346 3 6	4,639 3 3
142 2 0	.....	.....	2,076 14 0	.....	.....	4,561 11 4
691 5 0	900 0 0	1,157 4 3	753 10 0	800 14 0	1,429 6 9	9,215 9 0
254 12 8	234 5 6	184 13 11	516 7 3	380 13 0	607 15 1	5,214 3 5
1,590 7 10	1,601 5 0	2,175 13 5	4,901 4 9	1,712 10 3	2,669 4 10	25,280 0 11
50,905 0 4	88,884 13 0	62,726 2 9	1,08,448 2 3	67,312 5 11	1,07,291 10 6	7,70,130 14 2
1,74,285 0 1	3,76,463 11 0	2,33,942 8 4	1,41,887 15 3	78,496 5 11	2,70,960 7 6	22,11,257 8 6
−57,622 7 6	+1,72,338 4 8	−68,208 10 10	−1,41,729 7 3	+77,123 12 4	+2,29,401 7 1	+4,02,044 6 4

FORM No. 68 —*Summary of Revenue and Expenditure of*

Budget Head.	Direction.	Kárachi Division.	Hyderabad Division.
SIND CIRCLE.	Rs. a. p.	Rs. a. p.	Rs. a. p.
REVENUE.			
I.—Timber and other produce removed from the forests by Government Agency—			
a. Timber	.....	5,183 7 0	8,021 12 0
b. Firewood and charcoal	.....	59,401 15 0	18,377 5 0
c. Bamboos	.....	.....	.....
d. Sandalwood	.....	.....	.....
e. Grass and other minor produce ...	.....	.....	8 0 0
Total, I ...	.....	64,585 6 0	26,407 1 0
II.—Timber and other produce removed from the forests by consumers or purchasers—			
a. Timber...	.....	14,756 1 0	36,431 8 0
b. Firewood and charcoal	.....	56,117 9 0	77,876 15 0
c. Bamboos	.....	.....	.....
d. Grazing and fodder grass	.....	7,881 14 0	9,786 7 0
e. Other minor produce	.....	8,264 4 0	29,641 5 4
f. Other items	.....	.....	.....
g. Commutation fees	.....	.....	.....
Total, II ...	.....	87,019 12 0	1,53,736 3 4
III.—Drift and waif wood and confiscated forest produce	.....	126 12 0	76 4 0
Total, III ...	.....	126 12 0	76 4 0
IV.—Revenue from forests not managed by Government—			
a. Duty on foreign timber and other forest produce	.....	.....	.....
b. Revenue from shared and private forests	.....	.....	.....
Total, IV ...	.....	.....	.....
V.—Miscellaneous—			
a. Fines and forfeitures	.....	557 1 0	2,438 7 0
b. Refunds	.....	172 9 0	1 10 0
c. Other sources	800 0 0	13,604 12 0	10,132 12 1
Total, V ...	800 0 0	14,334 6 0	12,572 13 1
Deduct Refunds ...	.....	—7,107 12 5	.....
Grand Total, Revenue ...	800 0 0	1,58,958 7 7	1,92,792 5 5
EXPENDITURE.			
A.—CONSERVANCY AND WORKS.			
I.—Timber and other produce removed from the forests by Government Agency—			
a. Timber	.....	1,203 7 0	9,387 5 6
b. Firewood and charcoal	.....	23,112 0 0	10,863 10 0
c. Bamboos	.....	.....	.....
d. Sandalwood	.....	.....	.....
e. Grass and other minor produce ...	.....	.....	.....
Total, A-I ...	.....	24,315 7 0	20,750 15 6

the different Divisions for the financial year 1923-1924—contd.

Sukkur Division.	Shikarpur Division.	Lárkána Division.	Thar and Párkar Division.	Total for the year 1923-24.
Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
2,300 7 0	302 0 0	2 0 0	.....	15,809 10
21,425 6 0	16,819 4 0	635 0 0	.....	1,16,65 14 0
.....	.....	.....	.....	.....
.....	.....	.....	.....	.....
.....	20 0 0	.....	.....	28 0 0
23,725 13 0	17,141 4 0	637 0 0	.....	1,32,496 8 0
10,264 3 0	10,122 3 0	6,273 3 0	140 6 0	77,9 7 8
3,7[illegible]1 3 0	55,[illegible]64 2 0	42,008 5 0	920 12 0	2,72,23[illegible] 2 0
.....	.....	.....	.....	.....
3,893 4 0	4,805 1 6	5,706 9 0	1,7[illegible] 0 6	33,[illegible]47 4 0
2,214 15 5	2,138 9 0	3,026 0 0	23 1	45,52 13 9
.....	.....	.....	.....	.....
.....	.....	.....	.....	.....
56,1[illegible]4 3 [illegible]	72,630 9 6	56,9[illegible]4 1 [illegible]	2,771 14	4,29,24 11 9
123 1 0	74 15 0	129 8 0	.....	530 8 0
123 1 0	74 15 0	129 8 0	.....	530 8 0
.....	.....	.....	.....	.....
.....	.....	.....	.....	.....
.....	.....	.....	.....	.....
890 0 0	965 8 0	1,662 3 0	.....	6,513 8 0
63 5 0	55 7 7	22 8 0	.....	315 7 7
12,874 0 3	13,753 5 5	12,935 14 0	.....	64,1[illegible] 11 9
13,827 5 3	14,774 5 0	14,620 9 0	.....	70,929 6 4
—20 0 0	.....	*—387 8 0*	*64 4 0*	*—7,579 8 5*
93,770 6 8	1,04,621 1 6	71,973 10 0	2,707 10 6	6,25,623 9 8
63 6 0	72 0 0	.....	.....	11,226 2 6
6,354 4 0	7,067 13 0	439 1 0	.....	47,836 12 0
.....	.....	.....	.....	.....
.....	.....	.....	.....	.....
.....	.....	.....	.....	.....
6,417 10 0	7,139 13 0	439 1 0	.....	59,062 14 6

FORM No. 68.—*Summary of Revenue and Expenditure of*

Budget Head.	Direction.	Karáchi Division.	Hyderabad Division.
EXPENDITURE—*contd.*	Rs. a. p.	Rs. a. p.	Rs. a. p.
A.—CONSERVANCY AND WORKS—*contd.*			
II.—Timber and other produce removed from the forests by consumers or purchasers	.....	76 11 0	83 0 0
Total, A-II ...	.....	76 11 0	83 0 0
III.—Drift and waif wood and confiscated forest produce...	.....	25 8 0	.....
Total, A-III ...	.....	25 8 0	.....
IV.—Revenue from forests not managed by Government—			
a. Duty on foreign timber and other forest produce	.....	.....	.....
b. Revenue from shared and private forests	.....	.....	.....
Total, A-IV ...	.....	.....	.....
V.—Rent of leased forests and payments to share-holders in forests managed by Government	.....	.....	.....
Total, A-V ...	.....	.....	.....
VI.—Live-Stock, Stores, Tools and Plant—			
a. Purchase of cattle	.....	.....	.....
b. Feed and keep of cattle	.....	.....	.....
c. Purchase of stores, tools and plant ...	143 11 0	134 0 0	129 0 0
Total, A-VI ...	143 11 0	134 0 0	129 0 0
VII.—Communications and Buildings—			
a. Roads and bridges	.....	.....	.....
b. Buildings	.....	713 8 0	1,257 2 0
c. Other works	.....	3,748 2 0	301 14 0
Total, A-VII ...	.....	4,461 10 0	1,559 0 0
VIII.—Organization, Improvement and Extension of forest—			
a. Demarcation	.....	.....	.....
b. Cost of forest settlements and compensation for land and rights ...	.....	12 15 0	.....
c. Surveys	.....	.....	.....
d. Working Plans	.....	142 7 0	128 6 0
e. Sowing and planting	.....	1,996 12 0	355 11 0
f. Protection from fire	.....	400 0 0	.....
g. Other works	.....	.....	.....
Total, A-VIII ...	.....	2,552 2 0	484 1 0
IX.—Miscellaneous—			
a. Law charges	.....	.....	41 0 0
b. Grain compensation	.....	.....	.....
c. Other charges	114 10 0	1,260 13 0	1,690 6 0
Total, A-IX ...	114 10 0	1,260 13 0	1,731 6 0
TOTAL, A.—CONSERVANCY AND WORKS ...	258 5 0	32,8.6 3 0	24,737 6 6

the different Divisions for the financial year 1923-1924—contd.

Sukkur Division.	Shikarpur Division.	Lárkána Division.	Thar and Párkar Division.	Total for the year 1923-24.
Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
.....	.....	.....	.....	159 11 0
.....	.....	.....	.....	159 11 0
.....	.....	.....	.....	25 8 0
.....	.....	.....	.....	25 8 0
.....	.....	.....	.....	.....
.....	.....	.....	.....	.....
.....	.....	.....	.....	.....
.....	.....	.....	.....	.....
.....	.....	.....	.....	.....
.....	.....	.....	.....	.....
.....	.....	.....	.....	.....
170 0 0	100 0 0	76 0 0	.....	752 11 0
170 0 0	100 0 0	76 0 0	.....	752 11 0
.....	.....	.....	.....	.....
725 7 0	345 0 0	1,503 12 0	.....	4,544 13 0
180 12 0	719 3 0	1,536 0 0	.....	6,485 15 0
906 3 0	1,064 3 0	3,039 12 0	.....	11,030 12 0
.....	.....	236 0 0	.....	236 0 0
100 0 0	.....	.....	.....	112 15 0
.....	.....	.....	.....	.....
164 7 0	78 6 0	186 7 0	.....	700 1 0
2,496 14 0	1,694 13 0	229 0 0	.....	6,773 2 0
199 11 0	380 0 0	175 0 0	.....	1,154 11 0
.....	.....	.....	.....	.....
2,961 0 0	2,153 3 0	826 7 0	...	8,976 13 0
.....	.....	.....	.....	41 0
.....	.....	.....	.....	.....
1,915 11 0	1,543 15 0	1,320 9 0	.....	7,846 0 0
1,915 11 0	1,543 15 0	1,320 9 0	.....	7,887 0 0
12,370 8 0	12,001 2 0	5,701 13 0	.....	87,895 5 6

FORM NO. 68.—*Summary of Revenue and Expenditu e of*

Budget Head.	Direction.	Karachi Division.	Hyderabad Divisio ..
B.—ESTABLISHMENTS.	Rs. a. p.	Rs. a. p.	Rs. a. p.
I.—Pay of Officers—			
a. Chief Conservator	.....	.....	.....
b. Conservators	22,093 0 0	.....	.....
c. Superior Officers { voted ... non-voted ...	..... 1,480 10 6	7,608 5 0	10,750 1 0 .....
Total, B-I ...	23,573 10 6	7,608 5 0	10,750 1 0
II. - Pay of Establishment—			
a. Subordinate Forest and Depôt Establishments	.....	24,2 8 8 0	23,300 14 0
b. Office Establishments	9,807 9 0	8,587 15 0	8,119 18 0
c. Te porary E tab i hment	.....	.....	.....
d. Leave Allow.nces	.....	.....	.....
Total, B-II ...	9,807 9 0	32,796 7 0	31,420 11 0
III.- Allowance and Honoraria—			
a eputation n I Sp cial Allowance ...	1,088 5 0	1, 42 14 0	14 7 0
b. Plague Allo anc	.....	.....	.....
c. Tr vell g Allowance { voted... on-voted...	722 3 0 4,751 1 0	7,109 11 0	7,583 3 0 .....
d. Forest Schol	.....	.....	.....
e. Graz Compensation...	.....	.....	.....
Total, B-III	6,561 9 0	8,252 9 0	7,84 10 0
IV —t ontingencies—			
a. tationery	10 8 0	145 3 3	147 1 0
b. Carriage of tents and records ...	382 4 0	339 6 6	237 14 0
c Rents, Rates and Taxes	2,930 0 0	225 0 0	821 0 0
d Official postage	701 2 6	788 11 0	842 12 6
e. Sundries	834 3 3	588 11 4	561 12 6
Total, B-III ...	4,858 1 9	2,097 0 1	2,610 8 0
TOTAL, B ESTABLISHMENTS ...	44,800 14 3	50,754 5 1	52,628 14 0
GRAND TOTAL OF EXPENDITURE ...	45,059 3 3	83 580 8 1	77,366 4 6
Surplus or Deficit	−44,259 3 3	+75,377 15 6	+1,15,426 0 11

the different Divisions for the financial year 1923-1924—contd.

Sukkur Division.	Shikarpur Division.	Larkana Division.	Thar and Parkar Division.	Total for the year 1923-1924.
Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
.....	.....	.....	.....	.....
.....	.....	.....	.....	22,093 0 0
9,600 0 0	4,000 10 0	6,600 0 0	.....	38,559 0 0
.....	.....	.....	.....	480 10 6
9,600 0 0	4,000 10 0	6,600 0 0	.....	62,132 10 6
20,451 9 0	20,555 1 0	16,548 6 0	1,251 12 0	1,06,316 2 0
7,627 9 0	5,866 15 0	6,532 15 0	.....	46,542 12 0
.....	.....	.....	.....	.....
.....	.....	.....	.....	.....
28,079 2 0	26,422 0 0	23,081 5 0	1,251 12 0	1,52,858 14 0
628 9 0	67 8 0	7 6 0	.....	2,949 1
.....	.....	.....	.....	.....
5,932 4 0	5,056 5 0	5,155 15 8	.....	31,609 9 8
.....	.....	.....	.....	4,751 1 0
.....	.....	.....	.....	.....
.....	.....	.....	.....	.....
6,560 13 0	5,123 13 0	5,163 5 8	.....	39,509 11 8
162 14 0	133 14 0	109 11 0	.....	709 3 3
234 6 0	310 12 0	293 3 0	.....	1,827 13 6
256 0 0	553 9 0	863 9 0	.....	5,649 2 0
600 4 6	696 13 3	651 8 0	.....	4,295 3 9
548 0 0	539 6 6	530 2 0	.....	3,602 3 7
1,801 8 6	2,253 6 9	2,448 1 0	.....	16,073 10 1
46,041 7 6	37,804 13 9	37,292 11 8	1,251 12 0	2,70,574 14 3
58,411 15 6	49,805 15 9	42,994 8 8	1,251 12 0	3,58,470 3 9
+35,358 7 2	+54,815 1 9	+28,979 1 4	+ 1,465 15 6	+2,67,153 5 11

FORM No. 68.—*Summary of Revenue and Expenditure of the Financial year*

Budget Head.	General Direction.	Famine Fodder.	Total Presidency excluding famine fodder.	
REVENUE.	Rs. a. p.	Rs. a. p.	Rs. a. p.	
I.—Timber and other produce removed from the forests by Government Agency—				
a. Timber ...	.....	.....	16,87,152 3 9	.....
b. Firewood and charcoal ...	.....	.....	4,62,684 2 8	.....
c. Bamboos ...	.....	.....	18 0 0	.....
d. Sandalwood ...	.....	.....	70,412 14 3	.....
e. Grass and other minor produce ...	.....	13,106 10 9	13,376 9 1	.....
Total, I ...	.....	13,106 10 9	22,33,633 13 9	.....
II.—Timber and other produce removed from the forests by consumers or purchasers—				
a. Timber ...	.....	.....	27,55,711 1 4	.....
b. Firewood and charcoal ..	.....	.....	6,13,244 7 3	.....
c. Bamboos ...	.....	.....	1,38,977 4 10	.....
d. Grazing and fodder grass ...	.....	.....	7,93,056 6 10	.....
e. Other minor produce ...	.....	.....	2,15,256 9 9	.....
f. Other items ...	.....	.....	.....	.....
g. Commutation fees ...	.....	.....	.....	.....
Total, II ...	.....	.....	45,11,245 14 0	.....
III.—Drift and waif wood and confiscated forests produce ...	.....	.....	4,552 15 5	.....
Total, III ...	.....	.....	4,552 15 5	.....
IV.—Revenue from forests not managed by Government—				
a. Duty on foreign timber and other forest produce ...	.....	.....	15,914 9 6	.....
b. Revenue from shared and private forests ...	.....	.....	11,419 10 11	.....
Total, IV ...	.....	.....	27,334 4 5	.....
V.—Miscellaneous—				
a. Fines and forfeitures ...	.....	.....	35,408 0 6	.....
b. Refunds ...	2 12 0	2,031 1 0	23,428 3 11	.....
c. Other sources ...	1,943 8 2	52,168 0 5	2,83,578 6 10	.....
Total, V ...	1,946 9 2	54,199 1 5	3,42,414 11 3	.....
Deduct—Refunds ...	.....	.....	—36,883 7 0	.....
Grand Total, Revenue ...	1,946 9 2	67,305 12 2	70,89,298 3 10	.....

General Direction Division and Famine Fodder for the 1923-24—contd.

Budget Head.	General Direction.	Famine Fodder.	Total Presidency excluding famine fodder.	
EXPENDITURE.	Rs. a. p.	Rs. a. p.	Rs. a. p.	
A.—CONSERVANCY AND WORKS.				
I.—Timber and other produce removed from the forests by Government Agency—				
a. Timber ...	20,424 4 0	.....	12,60,785 4 11	.....
b. Firewood and charcoal ...	.....	.....	2,68,957 13 8	.....
c. Bamboos ...	.....	.....	89 11 0	.....
d. Sandalwood ...	.....	.....	7,516 6 7	...
e. Grass and other minor produce ...	.....	2,55,712 15 10	3,606 5 0	.....
Total, A-I ...	20,424 4 0	2,55,712 15 10	15,35,955 9 2	.....
II.—Timber and other produce removed from the forests by consumers or purchasers ...	.....	.....	39,990 1 7	.....
Total, A-II ...	.....	.....	39,990 1 7	.....
III.—Drift and waif wood and confiscated forest produce ...	.....	.....	261 0 9	.....
Total, A-III ...	.....	.....	261 0 9	.....
IV.—Revenue from forests not managed by Government—				
a. Duty on foreign timber and other forest produce ...	.....	.....	.....	.....
b. Revenue from shared and private forests ...	.....	.....	52 8 0	.....
Total, A-IV ...	.....	.....	52 8 0	.....
V.—Rent of leased Forests and payments to share-holders in forests managed by Government.	.....	.....	47,292 14 1	.....
Total, A-V ...	.....	.....	47,292 14 1	.....
VI.—Live-stock, stores, tools and plant—				
a. Purchase of cattle ...	.....	.....	1,455 8 0	.....
b. Feed and keep of cattle ...	.....	.....	10,958 8 0	.....
c. Purchase of stores, tools and plant ...	11 0 0	.....	12,182 6 8	.....
Total, A-VI ...	11 0 0	.....	24,596 6 8	.....
Carried over Total of Heads A-I to A-VI ...	20,435 4 0	2,55,712 15 1	16,48,148 8 3	.....

FORM No. 68.—*Summary of Revenue and Expenditure of the Financial year*

Budget Head.	General Direction.	Famine Fodder.	Total Presidency excluding famine fodder.	
	Rs. a. p.	Rs. a. p.	Rs. a. p.	
EXPENDITURE—*contd.*				
A.—CONSERVANCY AND WORKS —*contd.*				
Brought over Total of Heads A-I to A-VI ...	20,435 4 0	2,55,712 15 10	16,48,148 8 3	.....
VII.—Communications and Buildings—				
a. Roads and bridges ...	.....	.....	88,568 0 8	.....
b. Buildings ...	.....	.....	75,665 2 4	.....
c. Other works ...	.....	.....	16,445 10 8	.....
Total, A-VII ...	.....	.....	1,80,678 13 8	.....
VIII.—Organization, Improvement and Extension of Forest—				
a. Demarkation ...	.....	.....	3,806 12 9	.....
b. Cost of Forest Settlements and Compensation for land and rights ...	.....	.....	3,277 4 7	.....
c. Surveys ...	.....	.....	1,002 12 0	.....
d. Working plans ...	.....	.....	10,559 5 0	.....
e. Sowing and planting ...	.....	.....	80,330 7 9	.....
f. Protection from fire ...	.....	.....	35,086 5 9	.....
g. Other works ...	.....	.....	4,068 6 6	.....
Total, A-VIII ...	.....	.....	1,38,131 6 3	.....
IX.—Miscellaneous—				
a. Law charges ...	.....	.....	135 14 0	.....
b. Grain Compensation ...	.....	.....	4,122 10 0	.....
c. Other charges ...	812 1 3	.....	56,705 7 10	.....
Total, A-IX ...	812 1 3	.....	60,963 15 10	.....
Total, A—Conservancy and Works.	21,247 5 3	2,55,712 15 11	20,27,922 4 1	.....

General Direction Division and Famine Fodder for the 1923-24—concld.

Budget Head.	General Direction.	Famine Fodder.	Total Presidency excluding famine fodder.	
	Rs. a. p.	Rs. a. p.	Rs. a. p.	
B—ESTABLISHMENTS.				
I.—Pay of Officers—				
a. Chief Conservator ...	34,383 10 0	.....	34,383 10 0	.....
b. Conservators ...	.....	.....	95,544 3 0	.....
c. Superior Officers—Voted ...	4,367 8 0	.....	1,61,112 14 11	.....
Do. Non—Voted ...	.....	.....	2,34,061 8 8	.....
Total B—I ...	38,721 2 0	.....	5,25,102 4 7	.....
II.—Pay of Establishment—				
a. Subordinate forest and depôt establishment ...	28,234 1 0	.....	10,16,919 8 6	.....
b. Office Establishment ...	13,230 11 0	.....	3,12,515 1 3	.....
Temporary Establishment ...	.....	.....	.....	.....
d. Leave allowances ...	.....	.....	.....	.....
Total B—II ...	40,464 12 0	.....	13,29,434 9 9	.....
III.—Allowances and Honoraria—				
a. Deputation and Special allowances ...	7,454 3 0	.....	88,571 7 9	.....
b. Plague allowance ...	.....	.....	90 0 0	.....
c. Travelling allowances—				
Non-voted ...	6,474 13 0	.....	88,761 1 0	.....
Voted ...	3,912 2 10	.....	2,13,600 11 1	.....
d. Forest School ...	.....	.....	1,063 12 6	.....
e. Grain Compensation ...	.....	.....	39 13 0	.....
Total B—III ...	17,841 2 10	.....	3,92,056 13 4	.....
IV.—Contingencies—				
a. Stationery ...	14 14 6	.....	6,069 4 8	.....
b. Carriage of tents and records ...	649 8 9	.....	15,186 9 2	.....
c. Rents, rates and taxes ...	.....	.....	16,802 5 0	.....
d. Official postage ...	1,287 11 6	.....	30,365 13 0	.....
e. Sundries ...	480 3 0	.....	18,066 6 7	.....
Total B—IV ...	2,432 5 9	.....	86,480 6 5	.....
Total B—Establishments ...	99,459 6 7	.....	23,33,074 2 1	.....
Grand Total of Expenditure ...	1,20,706 11 10	2,55,712 15 10	43,60,996 14 1	.....
Surplus or Deficit ...	—1,18,760 2 8	—1,88,407 3 8	+27,21,301 5 9	.....

FORM No. 68-A.—*Summary of Expenditure under 52-A—Forest Capital Outlay of the different Divisions for the year 1923-1924.*

Division.	Stores, Tools, etc., and Mechanical appliances.	Communications.	Buildings.	Total.
	Rs.	Rs.	Rs.	Rs.
NORTHERN CIRCLE.				
Direction	.....	.....	30,000	30,000
Surat	.....	11,805	5,220	17,025
North Thana	.....	9,613	.....	9,613
East Thana	.....	258	.....	258
West Nasik	.....	1,713	.....	1,713
East Nasik	.....	1,410	.....	1,410
Total, Northern Circle ...	.....	24,739	35,220	60,019
CENTRAL CIRCLE.				
West Khandesh	.....	2,790	.....	2,790
Kolaba	.....	2,000	.....	2,000
Total, Central Circle ...	.....	4,790	.....	4,790
SOUTHERN CIRCLE.				
Kanara, Northern Division ...	.....	10,840	.....	10,840
Kanara, Eastern Division ...	.....	27,421	.....	27,421
Kanara, Central Division ...	.....	4,397	.....	4,397
Kanara, Southern Division ...	.....	2,905	.....	2,905
Kanara, Western Division ...	.....	13,648	.....	13,648
Dharwar-Bijapur	.....	2,480	3,080	5,560
Total, Southern Circle ...	.....	61,691	3,080	64,771
Forest Engineering Branch ...	1,17,034	57,612	1,503	1,76,149
Grand Total, Presidency ...	1,17,034	1,48,892	39,803	3,05,729

FORM No. 69.

FORM No. 69.—*Revenue received and Outstandings on account of Revenue during 1923-1924.*

Division.	Particulars.	Outstandings at commencement of year.	Value of sales and other revenue during year.	Total.	Amount realised during year.	Balance due to the Department at end of year.	Remarks.
1	2	3	4	5	6	7	
NORTHERN CIRCLE.		Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	
Direction ...	Timber and other produce.	.....	1,054 0 0	1,054 0 0	1,054 0 0	.....	
Panch Mahals ..	Do. ...	24,147 11 0	4,17,941 9 9	4,42,089 4 9	4,35,152 0 0	6,937 4 9	
Surat ..	Do. ...	49,860 6 2	4,38,472 12 2	4,88,333 2 4	4,65,218 9 4	23,114 9 0	
North Thana ...	Do. ...	23,877 0 0	5,60,870 0 0	5,84,747 0 0	5,84,747 0 0	.....	
West do. ...	Do. ...	14,962 5 0	3,22,814 0 0	3,37,776 5 0	3,20,139 0 0	17,637 5 0	
East do. .	Do. ...	12,002 14 0	3,04,329 0 0	3,16,331 14 0	3,11,215 0 0	5,116 14 0	
West Nasik ...	Do. ...	1,091 0 0	1,39,301 0 0	1,40,392 0 0	1,36,703 0 0	3,689 0 0	
East do. ...	Do. ...	5,118 0 0	1,27,795 0 0	1,32,913 0 0	1,32,658 0 0	255 0 0	
Working Plans, N. C. ...	Do. ...	.....	.....	.....	.....	.....	
	Total, Northern Circle.	1,31,059 4 2	23,12,577 5 11	24,43,636 10 1	23,86,886 9 4	56,750 0 9	
CENTRAL CIRCLE.							
Direction ...	Various sources, Timber and other forest produce.	.....	1,186 8 0	1,186 8 0	1,186 8 0	.....	
East Khandesh ...	Do. ...	3,302 0 0	2,57,400 9 8	2,60,702 9 8	2,59,815 1 8	887 8 0	
North do. ...	Do. ...	90 0 0	1,91,881 1 10	1,91,971 1 10	1,91,971 1 10	.....	
West do. ...	Do. ...	.....	3,59,738 7 0	3,59,738 7 0	3,51,950 7 0	7,788 0 0	
Poona ...	Do. ...	100 0 0	1,94,490 15 10	1,94,590 15 10	1,94,065 15 10	525 0 0	
Kolaba ...	Do. ...	.....	3,12,416 13 4	3,12,416 13 4	2,96,823 13 4	15,593 0 0	
Satara ...	Do. ...	85 0 0	1,44,753 13 4	1,44,838 13 4	1,44,753 13 4 *85 0 0	.....	* Written off under proper authority.

Working Plans, C. C. ...	Do. ...	.....	97 5 0	97 5 0	97 5 0	.....	
	Total, Central Circle.	3,577 0 0	14,61,966 10 0	14,65,542 10 0	14,40,664 2 0 85 0 0	24,793 8 0	
SOUTHERN CIRCLE.							
Direction ...	Various sources ...	.....	17,294 0 2	17,294 0 2	17,294 0 2	.....	
Kanara, N. D. ...	Various sources, Timber and other produce.	4,04,400 14 10	8,60,980 0 3	12,65,380 15 1	{8,79,472 0 4 (a) 1,30,347 0 11}	2,55,561 13 10	(a) False balances Rs. 1,09,825-0-11 and irrecoverable revenue Rs. 20,522 written off under proper authority.
,, E. D. ...	Do. ...	1,32,722 13 7	5,06,939 7 5	6,39,662 5 0	{5,48,801 15 8 (b) 20,858 5 11}	70,001 15 5	(b) Irrecoverable revenue written off as sanctioned in Government Resolution, Revenue Department, No. 1612-24, dated 9th April 1924.
,, C. D. ...	Do. ...	87,818 3 6	2,28,573 3 8	3,16,391 7 2	{1,65,738 13 6 (c) 101 5 0}	1,50,551 4 8	(c) Irrecoverable revenue written off under proper authority.
,, S. D. ...	Do. ...	18,848 10 0	1,99,635 8 6	2,18,484 2 6	{1,16,662 8 7 (d) 103 8 9}	1,01,718 1 2	(d) Do. do.
,, W. D. ...	Do. ...	83,063 11 8	3,51,903 8 9	4,34,967 4 5	2,29,889 7 9	2,05,077 12 8	(e) Do. do.
Belgaum ...	Do. ...	2,11,807 13 1	3,16,318 5 6	5,28,126 2 7	{4,99,661 14 7 (e) 558 0 0}	27,906 4 0	
Dharwar-Bijapur ...	Do. ...	7,751 8 0	1,57,361 10 3	1,65,113 2 3	1,55,620 2 3	9,493 0 0	
Working Plans, S. C. ...	Do. ...	.....	2 8 0	2 8 0	2 8 0	.....	
	Total, Southern Circle.	9,46,413 10 8	26,39,008 4 6	35,85,421 15 2	{26,13,143 6 10 1,51,968 4 7}	8,20,310 3 9	
SIND CIRCLE.							
Direction ...	Various sources ...	.....	800 0 0	800 0 0	800 0 0	.....	
Sukkur ...	Timber and other forest produce.	20,407 4 0	1,00,040 2 8	1,20,447 6 8	93,790 6 8	26,657 0 0	
Shikarpur ...	Do. ...	22,195 10 2	1,03,859 6 4	1,26,055 0 6	1,04,621 1 6	21,433 15 0	
Larkana ...	Do. ...	13,359 3 0	69,773 4 0	83,132 7 0	72,361 2 0	10,771 5 0	
Hyderabad ...	Do. ...	61,730 10 4	2,00,065 15 1	2,61,796 9 5	1,92,792 5 5	69,004 4 0	
Karachi ...	Do. ...	25,281 4 0	1,70,173 3 0	1,95,454 7 0	1,66,066 4 0	29,388 3 0	
Thar and Parkar ...	Do. ...	.....	2,771 14 6	2,771 14 6	2,771 14 6	.....	
	Deduct—Refunds ...	.....	*7,579 8 5*	*7,579 8 5*	*7,579 8 5*	.....	
	Total, Sind Circle.	1,42,973 15 6	6,39,904 5 2	7,82,878 4 8	6,25,623 9 8	1,57,254 11 0	
	GRAND TOTAL, PRESIDENCY.	12,24,023 14 4	70,53,455 9 7	82,77,479 7 11	72,18,371 0 5	10,59,108 7 6	

FORM NO. 70.—*Outstandings and Liabilities on account*

Division.	Department Debtor.		
	At commencement of the year.	Recoveries in cash and value of supplies and work done during the year.	At the close of the year.
1	2	3	4
General Direction (including Controller of Famine Fodder).	Rs. a. p.	Rs. a. p.	Rs. a. p.
Contractors.			
General Direction	.....	21,071 6 10	21,071 6 10
Controller of Famine Fodder	.....	55,000 0 0	55,000 0 0
Total, Contractors ...	.....	76,071 6 10	76,071 6 10
Disbursers.			
General Direction	.....	.....	.....
Controller of Famine Fodder	.....	5,632 11 0	5,632 11 0
Total, Disbursers ...	.....	5,632 11 0	5,632 11 0
Total, General Direction, etc. ...	.....	81,704 1 10	81,704 1 10
NORTHERN CIRCLE.			
Contractors.			
Direction	.....	.....	.....
Working Plans	.....	.....	.....
Panch Mahals	.....	120 0 0	120 0 0
Surat	.....	16,414 6 0	16,414 6 0
North Thana	.....	5,255 2 3	5,255 2 3
East do.	.....	.....	.....
West do.	.....	58 4 0	58 4 0
East Nasik	.....	.....	.....
West do.	.....	.....	.....
Total, Contractors ...	.....	21,847 12 3	21,847 12 3
Disbursers.			
Direction	.....	100 0 0	100 0 0
Working Plans	.....	1,416 12 0	1,416 12 0
Panch Mahals	.....	55,742 12 1	55,742 12 1
Surat	.....	2,41,364 15 7	2,41,364 15 7
North Thana	.....	1,15,364 11 6	1,15,364 11 6
East do.	.....	77,181 3 0	77,181 3 0
West do.	.....	76,537 6 0	76,537 6 0
East Nasik	.....	53,528 12 9	53,528 12 9
West do.	.....	1,18,693 10 10	1,18,693 10 10
Total, Disbursers ...	.....	7,39,930 3 9	7,39,930 3 9
Total, Northern Circle ...	.....	7,61,778 0 0	7,61,778 0 0
CENTRAL CIRCLE.			
Contractors.			
.....	.....	.....	.....
Total, Contractors ...	.....	.....	.....
Disbursers.			
East Khandesh	.....	84,207 1 0	84,207 1 0
West do.	.....	61,875 6 0	61,875 6 0
North do.	.....	66,432 5 1	66,432 5 1
Poona	.....	98,217 3 4	98,217 3 4
Satara	.....	62,983 8 2	62,983 8 2
Kolaba	.....	90,609 0 11	90,609 0 11
Working Plans	.....	3,732 14 8	3,732 14 8
Total, Disbursers ...	.....	4,68,057 7 2	4,68,057 7 2
Total, Central Circle ...	.....	4,68,057 7 2	4,68,057 7 2

of Contractors and Disbursers for the year 1923-24.

Department Creditor.			Balance Due		
At commencement of year.	Payments made during year.	At close of the year.	To Department (outstandings).	By Department (Liabilities).	Remarks.
5	6	7	8	9	10
Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	
21,658 2 10	2,632 0 0	24,290 2 10	3,218 12 0	...	
.....	55,000 0 0	55,000 0 0	.....	...	
21,658 2 10	57,632 0 0	79,290 2 10	3,218 12 0	...	
.....	.....	.....	.....	...	
5 1 10	6,026 0 0	6,031 1 10	398 6 10	...	
5 1 10	6,026 0 0	6,031 1 10	398 6 10	...	
21,663 4 8	63,658 0 0	85,321 4 8	3,617 2 10	...	
.....	.....	.....	.....	...	
.....	.....	.....	.....	...	
.....	120 0 0	120 0 0	.....	...	
.....	18,000 0 0	18,000 0 0	1,585 10 0	...	
260 3 6	5,342 14 9	5,603 2 3	348 0 0	...	
.....	.....	.....	.....	...	
.....	130 12 0	130 12 0	72 8 0	...	
.....	.....	.....	.....	...	
.....	.....	.....	.....	...	
260 3 6	23,593 10 9	23,853 14 3	2,006 2 0	...	
.....	100 0 0	100 0 0	.....	...	
71 12 0	1,345 0 0	1,416 12 0	.....	...	
45 7 1	55,742 0 0	55,787 7 1	44 11 0	...	
2,816 5 8	2,49,308 4 10	2,52,124 10 6	10,759 10 11	...	
5,084 12 10	1,15,021 6 6	1,20,106 3 4	4,741 7 10	...	
.....	77,181 3 0	77,181 3 0	.....	...	
.....	76,585 4 0	76,585 4 0	47 14 0	...	
.....	53,552 5 0	53,552 5 0	23 8 3	...	
10,393 14 11	1,12,266 6 8	1,22,660 5 7	3,966 10 9	...	
18,412 4 6	7,41,101 14 0	7,59,514 2 6	19,583 14 9	...	
18,672 8 0	7,64,695 8 9	7,83,368 0 9	21,590 0 9	...	
.....	.....	.....	.....	...	
.....	.....	.....	.....	...	
0 1 0	84,207 0 0	84,207 1 0	.....	...	
1,418 14 0	60,887 2 0	62,306 0 0	430 10 0	...	
150 4 6	66,481 3 0	66,631 7 6	199 2 5	...	
515 5 4	97,702 0 0	98,217 5 4	0 2 0	...	
13 4 2	63,105 4 0	63,118 8 2	135 0 0	...	
319 9 8	90,830 0 0	91,149 9 8	540 8 9	...	
235 5 5	3,723 3 0	3,958 8 5	225 9 9	...	
2,652 12 1	4,66,935 12 0	4,69,588 8 1	1,531 0 11	...	
2,652 12 1	4,66,935 12 0	4,69,588 8 1	1,531 0 11	...	

FORM No. 70.—*Outstandings and Liabilities on account of*

Division.	Department Debtor.		
	At commencement of the year.	Recoveries in cash and value of supplies and work done during the year.	At the close of the year.
1	2	3	4
	Rs. a. p.	Rs. a. p.	Rs. a. p.
SOUTHERN CIRCLE.			
Contractors.			
Working Plan	.....	2,802 2 0	2,802 2 0
Kanara C. D.	.....	58,862 13 5	58,862 13 5
Kanara W. D.	.....	89,414 0 9	89,414 0 9
Kanara S. D.	.....	89,943 2 9	89,943 2 9
Kanara E. D.	.....	1,07,468 0 0	1,07,468 0 0
Direction	.....	256 0 0	256 0 0
Forest Engineering	.....	18,149 5 6	18,149 5 6
Kanara N. D.	.....	56,232 11 6	56,232 11 6
Belgaum	.....	96,250 12 11	96,250 12 11
Total, Contractors ...	.....	5,19,379 0 10	5,19,379 0 10
Disbursers.			
Kanara C. D.	.....	99,385 5 9	99,385 5 9
Kanara W. D.	.....	1,27,082 4 6	1,27,082 4 6
Kanara S. D.	.....	57,917 10 7	57,917 10 7
Kanara E. D.	.....	1,46,077 9 2	1,46,077 9 2
Kanara N. D.	.....	2,34,176 1 4	2,34,176 1 4
Forest Engineering	.....	95,627 11 9	95,627 11 9
Dharwar Bijapur	.....	64,198 14 9	64,198 14 9
Belgaum	.....	1,04,305 10 6	1,04,305 10 6
Total, Disbursers ...	.....	9,28,701 4 4	9,28,701 4 4
Total, S. C. ...	.....	14,48,080 5 2	14,48,080 5 2
SIND CIRCLE.			
Contractors.			
Direction	.....	100 0 0	100 0 0
Karachi	.....	40 0 0	40 0 0
Hyderabad	.....	6,020 0 0	6,020 0 0
Larkana	.....	25 0 0	25 0 0
Shikarpur	.....	40 0 0	40 0 0
Sukkur	.....	2,636 1 0	2,636 1 0
Thar and Parkar	.....	.....	.....
Total, Contractors ...	.....	8,861 1 0	8,861 1 0
Disbursers.			
Direction	.....	.....	.....
Karachi	.....	53,338 2 6	53,338 2 6
Hyderabad	.....	44,229 14 1	44,229 14 1
Larkana	.....	23,488 4 7	23,488 4 7
Shikarpur	.....	33,151 13 0	33,151 13 0
Sukkur	.....	32,853 6 0	32,853 6 0
Thar and Parkar	.....	.....	.....
Total, Disbursers ...	.....	1,87,061 8 2	1,87,061 8 2
Total, Sind Circle ..	.....	1,95,922 9 2	1,95,922 9 2
Grand Total, Presidency ...	.....	29,55,542 7 4	29,55,542 7 4

Contractors and Disbursers for the year 1923-24—contd.

Department Creditor.			Balance Due.		
At the commencement of the year.	Payment made during the year.	At the close of the year.	To Department (Outstandings.)	By Department (Liabilities).	Remarks.
5	6	7	8	9	10
Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	
.....	2,950 0 0	2,950 0 0	147 14 0	.....	
48,066 13 11	24,600 0 0	72,666 13 11	13,804 0 6	.....	
80,705 5 8	61,775 0 0	1,42,480 5 8	53,066 4 11	.....	
37,922 1 7	88,233 11 6	1,26,155 13 1	36,212 10 4	.....	
65,686 8 0	1,31,750 0 0	2,00,436 8 0	92,968 8 0	.....	
.....	256 0 0	256 0 0	.....	.....	
9,206 4 5	10,000 0 0	19,206 4 5	1,056 14 11	.....	
1,21,460 2 11	38,900 0 0	1,60,360 2 11	1,04,127 7 5	...	
63,236 15 6	1,07,700 0 0	1,70,936 15 6	74,686 2 7	.....	
4,29,284 4 0	4,66,164 11 6	8,95,448 15 6	3,76,069 14 8	.....	
11,440 11 1	88,896 4 0	1,00,336 15 1	961 9 4	.....	
2,520 3 10	1,26,090 0 0	1,28,610 3 10	1,527 15 4	.....	
7,196 1 8	57,370 1 6	64,566 3 2	6,648 8 7	.....	
15,318 0 1	1,37,470 3 2	1,52,788 3 3	6,710 10 1	.....	
1,980 13 7	2,19,645 9 0	2,21,626 6 7	.....	12,549 10 9	
1,903 13 1	95,150 4 3	97,054 1 4	1,426 5 7	.....	
2,583 11 8	63,162 0 0	65,745 11 8	1,616 12 11	.....	
7,897 7 9	1,00,528 7 5	1,08,425 15 2	4,120 4 8	.....	
50,840 14 9	8,88,312 13 4	9,39,153 12 1	23,002 2 6	12,549 10 9	
4,80,125 2 9	13,54,477 8 10	18,34,602 11 7	3,99,072 1 2	12,549 10 9	
.....	100 0 0	100 0 0	.....	.....	
.....	15,040 0 0	15,040 0 0	15,000 0 0	.....	
5,000 0 0	4,020 0 0	9,020 0 0	3,000 0 0	.....	
.....	25 0 0	25 0 0	.....	.....	
.....	40 0 0	40 0 0	.....	.....	
...	2,636 1 0	2,636 1 0	... ..	.....	
.....	.....	...	...	.....	
5,000 0 0	21,861 1 0	26,861 1 0	18,000 0 0	.....	
.....	.....	.....	...	.....	
5,977 4 11	54,864 15 0	60,842 3 11	7,504 1 5	.....	
1,709 14 11	43,362 11 7	45,072 10 6	842 12 5	.....	
319 8 8	23,289 15 7	23,609 8 3	121 3 8	.....	
303 7 10	34,472 13 7	34,776 5 5	1,624 8 5	.....	
3,087 4 7	30,963 5 0	34,050 9 7	1,197 3 7	.....	
.....	.....	.....	... ..	.....	
11,397 8 11	1,86,953 12 9	1,98,351 5 8	11,289 13 6	.....	
16,397 8 11	2,08,814 13 9	2,25,212 6 8	29,289 13 6	...	
5,39,511 4 5	28,58,581 11 4	33,98,092 15 9	4,55,100 3 2	12,549 10 9	

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BOMBAY : PRINTED AT THE GOVERNMENT CENTRAL PRESS.

—of, in the Bombay Presidency, including Sind, for the year 1923-24.

GOVERNMENT OF BOMBAY.

REVENUE DEPARTMENT.

Resolution No. P.—57.

Bombay Castle, 18th May 1925.

Read Report on the Forest Administration in the Bombay Presidency (including Sind) for the year 1923-24, submitted by the Chief Conservator of Forests, Bombay Presidency.

RESOLUTION.—The total revenue of the Forest Department during the year 1923-24 amounted to Rs. 70·82 lakhs and the expenditure to Rs. 43·61 lakhs against Rs. 70·35 and Rs. 38·67 lakhs, respectively, during the previous year. The surplus of Rs. 27·21 lakhs represents 38·4 per cent. of the gross revenue as against 45 per cent. during the previous year and 39·2 per cent. the average of the preceding five years. In view of the continued slump in the timber trade, the financial results of the year's working must be considered satisfactory.

2. The revenue in the Northern and Sind Circles was almost stationary, while the Central Circle showed an improvement due to increased receipts under timber, grass and grazing. In the Southern Circle there was a large decrease due to outstanding bills amounting to Rs. 3·54 lakhs and the poor results of the auctions. The increase in expenditure is due to greater activity in departmental operations undertaken in the Southern Circle in connection with the supplies to Railways and to expenditure on development of communications, etc., which cannot be expected to be immediately remunerative. On the total area of 79·90 lakhs of acres in charge of the Forest Department, the gross and net revenue works out at about 14½ annas and 5½ annas per acre, respectively. The average is rather low; but it must be recognised that the Department has under its charge areas which not only do not give any revenue but actually cost something to protect and maintain chiefly in the interests of the regulation of the water supply. Also the department gets no credit in its accounts for the value of materials given free under rights and privileges or as free grants.

3. A feature of the exploitation during the year was the satisfactory working of the saw-mills owned by Government. The net profit from these mills amounted to Rs. 1,03,000. The only mills which worked at a loss were those at Badgi in the West Nasik Division and Dandeli in the Kanara Northern Division. The Badgi mill commenced working only towards the end of the year and its financial results are expected to improve. Government trust that the working of the Dandeli mill will also be put on a satisfactory basis.

4. Out of the total area of 14,970 square miles of forest, 2,316 square miles were wholly and 199 square miles partially closed to grazing. The remaining 12,455 square miles provided grazing for 24,38,889 animals of all kinds. Rs. 5,21,835 were collected as grazing fees as against Rs. 4,85,804 in the previous year. The increase in the receipts is due to the enhancement of grazing fees in the Kolaba and Bijapur Districts. The total fees realized represent, however, only a fraction of the value of the grazing at full rates, which is calculated at Rs. 20,62,132. The question of revising the grazing rules is under consideration.

5. The value of forest produce removed by right and privilege holders and free grantees during the year amounted to Rs. 9,62,000. The privilege of collecting honey and wax was restored to the villagers of Mahableshwar and the levy of fees for permits for the collection and sale of green karvi at Mahableshwar and Helvak in the Satara District was discontinued.

6. The number of forest offences during the year was 16,912 as against 16,286 in the previous year and 17,937 the average of the last five years. Government are pleased to note that in the opinion of the Chief Conservator the attitude of the people towards the Forest Department was generally favourable. The policy of rewarding good fire protection and enforcing communal punishment for bad protection was continued with good effect. In the Southern Circle 225 villages were rewarded with free or concession grazing. Punitive measures were in force in 21 villages of the Northern, 22 of the Central and 148 of the Southern Circle. The number of cattle impounded for unauthorised grazing in open and closed forests was 1,17,000 against 1,22,000 in the previous year.

7. In spite of the depressed condition of the timber trade the development of the forests in the different parts of the Presidency was proceeded with. A sum of Rs. 2,37,000 was spent on communications and Rs. 1,29,000 on buildings against Rs. 3,13,000 and Rs. 69,000, respectively, in the previous year. Considerable progress was made with the scheme of providing a fairly complete system of roads in the Dangs. In the Southern Circle further progress was made with several important roads and 37 miles of new roads were surveyed. The project of the Dandeli-Potoli Railway was abandoned, as the Madras and Southern Maratha Railway suddenly discontinued taking wood fuel for the supply of which the Railway was mainly intended.

8. The thanks of Government are due to the Chief Conservator and the officers working under him for the efficient management of the forests during the year under report.

By order of the Government of Bombay
(Transferred Departments),

H. K. KIRPALANI,
Deputy Secretary to Government.

To

*The Commissioner in Sind,
*The Commissioners of Divisions,
*All Collectors, including the Deputy Commissioner, Upper Sind Frontier,
*The Director of Agriculture,
The Chief Conservator of Forests, Bombay Presidency,
The Conservators of Forests, Northern, Central, Southern and Sind Circles,
*The Settlement Commissioner and Director of Land Records,
*The Accountant General,
*The Superintendent of Industries,
*The Compiler, General Administration Report,
*The Oriental Translator to Government,
*The Secretary to the Legislative Council (for the Reading Room for the Members of the Legislative Council),
*The Finance Department,
*The Public Works Department,
*The Director of Information,
*The Editors' Tables,
Editors of Newspapers,
†The Government of India,
†The High Commissioner for India.

*With Copies of the Report.
†By letter.

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